## Ice Observation Report - "Ice On"

Form 3200-131 (R 02/08)

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Personally identifiable information collected on this form will be incorporated into the DNR lakes database. It is not intended to be used for any other purposes, but may be made available to requesters under Wisconsin's Open Records laws, s. 19.32 - 19.39, Wis. Stats.

Primary Data Collector
Name PAUL MAHLBERG Phone Number 920-839-2536 Paul_mahlberglya
Additional Data Collector Names WHLIER SCHOOF
Monitoring Location
Waterbody Name Kangaroo Lake Baileys Harbor Door
Describe your observation point We observe lake at 3 an 4 location to verify that lake 1s frozen overs.
Describe portion of waterbody you can see from your observation point Entire lake, both north and South lobes
Date and Time of Monitoring
Start Date Start Time Several days before it is evident that lake is about to freeze over
Start Date = Date you observed "ice on".
Monitoring Results
"Ice On" = A lake is considered ice covered when the deepest part of the lake is ice covered.
If you or past observers on your lake have always used another method to judge ice-on and ice-off, please describe the method
We always use the same procedure.
Date of First "Ice On" (When lake was first observed to be closed in the fall)
Décember 10, 1999
Comments

Procedures. Kangaroo Lake is a rather large lake of 1,122.5 acres (without the island) with a 6,000-acre watershed. Piel Creek is a major water source for the lake, while it flows out over the dam into Heins Creek.

For this study, the lake is recognized as frozen (ice-on date) on the day that both the north and south lobes of the lake become ice covered. Observations are made over a period of days to determine the day upon which ice covers the lake. The lake is checked from several vantage points including our shore area, the causeway, O'Brien Road and the boat launch sites to identify the day of freezing.

Not included in the freezing calculation are small areas of open water adjacent to each causeway culvert where swift flowing water, originating from Piel Creek, can delay freezing in their vicinity for a period of time. Open water also occurs in front of the dam while water flows over its crest. These unfrozen areas will occur during a year of unusually high water in the fall, but will freeze upon a decrease in the water flow-rate through the culverts.

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Primary Data Collector
Name PAUL MMHLBERG Phone Number 920-839-2536 Faul_mahlbergeyan
Additional Data Collector Names WALTER SCHOOF
Monitoring Location
Waterbody Name Kangaroo Lake Baileys Harbor Door
Describe your observation point MP OBSERVE 10 Ke at 3 th H lace Tien T
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If you or past observers on your lake have always used another method to judge ice-on and ice-off, please describe the method
We always use the same procedure.
Date of First "Ice On" (When lake was first observed to be closed in the fall)
Décember 22, 2000
Comments

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Primary Data Collector
Name PAUL MAHLBERG Phone Number 920-839-2536 Email Paul_mahlberglya
Additional Data Collector Names WALTER SCHOOF
Monitoring Location
Waterbody Name Kangaroo Lake Baileys Harbor Door
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Date of First "Ice On" (When lake was first observed to be closed in the fall)  December 24, 200/  Comments
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Procedures. Kangaroo Lake is a rather large lake of 1,122.5 acres (without the island) with a 6,000-acre watershed. Piel Creek is a major water source for the lake, while it flows out over the dam into Heins Creek.

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Primary Data Collector
Name PAUL MAHLBERG Phone Number 920-839-2536 Faul_mahlberg eyá hoo. c
Additional Data Collector Names WHLIER SCHOOF
Monitoring Location
Waterbody Name Kangaroo Lake Baileys Harbor Door
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If you or past observers on your lake have always used another method to judge ice-on and ice-off, please describe the method
We always use the same procedure.
Date of First "Ice On" (When lake was first observed to be closed in the fall)
December 1, 2002
Comments

Procedures. Kangaroo Lake is a rather large lake of 1,122.5 acres (without the island) with a 6,000-acre watershed. Piel Creek is a major water source for the lake, while it flows out over the dam into Heins Creek.

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Form 3200-131 (R 02/08)

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Primary Data Collector
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Additional Data Collector Names WALTER SCHOOF
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If you or past observers on your lake have always used another method to judge ice-on and ice-off, please describe the method
We always use the same procedure.
Date of First "Ice On" (When lake was first observed to be closed in the fall)
December 3, 2003
Comments

Procedures. Kangaroo Lake is a rather large lake of 1,122.5 acres (without the island) with a 6,000-acre watershed. Piel Creek is a major water source for the lake, while it flows out over the dam into Heins Creek.

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## Ice Observation Report - "Ice On"

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Describe portion of waterbody you can see from your observation point and South lobes  Date and Time of Monitoring  Start Date  Start Time Several days before it is evident that lake is about to free 3e over.  Start Date = Date you observed "ice on".  Monitoring Results "ice On" = A lake is considered ice covered when the deepest part of the lake is ice covered.  If you or past observers on your lake have always used another method to judge ice-on and ice-off, please describe the method We always used another method to judge ice-on and ice-off, please describe the method we always used another method to judge ice-on and ice-off, please describe the method we always used another method to judge ice-on and ice-off, please describe the method we always used another method to judge ice-on and ice-off, please describe the method we always used another method to judge ice-on and ice-off, please describe the method we always used another method to judge ice-on and ice-off, please describe the method we always used in the fall)  December 14, 2004	Primary Data Collector
Additional Data Collector Names  WHLTER SCHOOF  Monitoring Location  Waterbody Name    Kangaroo Lake   Township Name   County   Door  Describe your observation point   We abserve   ake at 3 an 4   location to  Verify that   ake 1s frozen oren.  Describe portion of waterbody you can see from your observation point   Entire lake, both north  and south lobes  Date and Time of Monitoring  Start Date   Start Time Several   days before it is evident to freeze over.  Start Date = Date you observed "ice on".  Monitoring Results  "Ice On" = A lake is considered ice covered when the deepest part of the lake is ice covered.  If you or past observers on your lake have always used another method to judge ice-on and ice-off, please describe the method   We alway   15 e fine Same   Procedure.  Date of First "Ice On" (When lake was first observed to be closed in the fall))  DCCCMBET 14, 2004	Name PAUL MMHLBERG Phone Number 920-839-2536 Email Mahlberg Qui
Monitoring Location Waterbody Name Kangaroo Lake Baileys Harbor Door Describe your observation point We observe lake at 3 or 4 location to Verify that lake 1s frozen over.  Describe portion of waterbody you can see from your observation point entire lake, both north  and South lobes  Date and Time of Monitoring Start Time Several days before it is evident that lake is about to freeze over.  Start Date = Date you observed "ice on".  Monitoring Results "Ice On" = A lake is considered ice covered when the deepest part of the lake is ice covered.  If you or past observers on your lake have always used another method to judge ice-on and ice-off, please describe the method We always use the Same procedure.  Date of First "Ice On" (When lake was first observed to be closed in the fall)  December 14, 2004	Additional Data Collector Names WHLIER SCHOOF
Waterbody Name   Kangaroo Lake   Township Name   County   Door     Describe your observation point   We observe   ake at 3 ar 4   location to     Verify that lake 1s frozen over.     Describe portion of waterbody you can see from your observation point     and south lobes     Date and Time of Monitoring     Start Date   Start Time   Several   days before it is evident     that lake is about to freeze over.     Start Date = Date you observed "ice on".   Monitoring Results     Tice On" = A lake is considered ice covered when the deepest part of the lake is ice covered.     If you or past observers on your lake have always used another method to judge (co-on and ice-off, please describe the method     We alway sused another method to judge (co-on and ice-off, please describe the method     We alway sused another method to judge (co-on and ice-off, please describe the method     We alway sused another method to judge (co-on and ice-off, please describe the method     We alway sused another method to judge (co-on and ice-off, please describe the method     We alway sused another method to judge (co-on and ice-off, please describe the method     We alway sused another method to judge (co-on and ice-off, please describe the method     We alway sused another method to judge (co-on and ice-off, please describe the method     We alway sused another method to judge (co-on and ice-off, please describe the method     We alway sused another method to judge (co-on and ice-off, please describe the method     We alway sused another method to judge (co-on and ice-off, please describe the method     We alway sused another method to judge (co-on and ice-off, please describe the method     We alway sused another method to judge (co-on and ice-off, please describe the method     We alway sused another method to judge (co-on another method     We alway sused another	Monitoring Location
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Describe portion of waterbody you can see from your observation point and south lobes  Date and Time of Monitoring  Start Date  Start Time Several days before it is evident  That lake is about to free 3e over.  Start Date = Date you observed "ice on".  Monitoring Results  "Ice On" = A lake is considered ice covered when the deepest part of the lake is ice covered.  If you or past observers on your lake have always used another method to judge ice-on and ice-off, please describe the method  We always used another method to judge ice-on and ice-off, please describe the method  We always used another method to judge ice-on and ice-off, please describe the method  We always used another method to judge ice-on and ice-off, please describe the method  We always used another method to judge ice-on and ice-off, please describe the method  We always used another method to judge ice-on and ice-off, please describe the method  We always used another method to judge ice-on and ice-off, please describe the method  We always used another method to judge ice-on and ice-off, please describe the method  We always used another method to judge ice-on and ice-off, please describe the method  We always used another method to judge ice-on and ice-off, please describe the method  We always used another method to judge ice-on and ice-off, please describe the method  We always used another method to judge ice-on and ice-off, please describe the method  We always used another method to judge ice-on and ice-off, please describe the method  We always used another method to judge ice-on and ice-off, please describe the method  We always used another method to judge ice-on and ice-off, please describe the method	Describe your observation point Me observe lake the
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December 14, 2004	We always use the same procedure.
December 14, 2004	Date of First "Ice On" (When lake was first observed to be closed in the fail)
Comments	December 14, 2004
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Procedures. Kangaroo Lake is a rather large lake of 1,122.5 acres (without the island) with a 6,000-acre watershed. Piel Creek is a major water source for the lake, while it flows out over the dam into Heins Creek.

For this study, the lake is recognized as frozen (ice-on date) on the day that both the north and south lobes of the lake become ice covered. Observations are made over a period of days to determine the day upon which ice covers the lake. The lake is checked from several vantage points including our shore area, the causeway, O'Brien Road and the boat launch sites to identify the day of freezing.

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Primary Data Collector
Name PAUL MAHLBERG Phone Number 920-839-2536 Email Paul _ mahlberg lya poo. co
Additional Data Collector Names  WHLIER SCHOOF
Monitoring Location
Waterbody Name  Kangaroo Lake Balleys Harbor Door
Describe your observation point MP OBSERVE 19 Ke at 3 ah 4 location to
Describe your observation point We observe lake at 3 an 4 location to verify that lake 15 frozen overs.
Describe portion of waterbody you can see from your observation point
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Date and Time of Monitoring
Start Date Start Time Several days before it is evident  that lake is about to freeze over
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Date of First "Ice On" (When lake was first observed to be closed in the fall)  November 24, 2005
Comments

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Primary Data Collector	
Name PAUL MAHLBERG	Phone Number 9-2536 Email Paul _ mahlberg Eya noo
Additional Data Collector Names  WALTER SCHOOF	`
Monitoring Location	
Waterbody Name Kangaroo Lake Balleys Harbor	County
Describe your observation point We observe 1. Verify that lake 15 from	ake at 3 an 4 location to 3 en overc.
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Date of First "Ice On" (When lake was first observed to be closed in the	fall)
Decamber, 4,	2006
Comments	

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Additional Data Collector Names WALTER SCHOOF	
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If you or past observers on your lake have always used another method to judge ice-on and ice-off, please describe the method	
We always use the same procedure.	
Date of First "Ice On" (When lake was first observed to be closed in the fall)  November 26, 2007	
Comments	

Procedures. Kangaroo Lake is a rather large lake of 1,122.5 acres (without the island) with a 6,000-acre watershed. Piel Creek is a major water source for the lake, while it flows out over the dam into Heins Creek.

For this study, the lake is recognized as frozen (ice-on date) on the day that both the north and south lobes of the lake become ice covered. Observations are made over a period of days to determine the day upon which ice covers the lake. The lake is checked from several vantage points including our shore area, the causeway, O'Brien Road and the boat launch sites to identify the day of freezing.

Not included in the freezing calculation are small areas of open water adjacent to each causeway culvert where swift flowing water, originating from Piel Creek, can delay freezing in their vicinity for a period of time. Open water also occurs in front of the dam while water flows over its crest. These unfrozen areas will occur during a year of unusually high water in the fall, but will freeze upon a decrease in the water flow-rate through the culverts.

Form 3200-131 (R 02/08)

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Primary Data Collector
Name PAUL MANLBERG Phone Number 920-839-2536 Faul_mahlberg Eyáhor
Additional Data Collector Names WALTER SCHOOF
Monitoring Location
Waterbody Name Kangaroo Lake Baileys Harbor Door
Describe your observation point MP observe 10 Ke at 3 and 100 ation to
Describe your observation point We observe lake at 3 an 4 location to verify that lake 1s frozen over.
Describe portion of waterbody you can see from your observation point Entire lake, both north and south lobes
Date and Time of Monitoring
Start Date Start Time Several days before it is evident that lake is about to freeze over
Start Date = Date you observed "ice on".
Monitoring Results
"Ice On" = A lake is considered ice covered when the deepest part of the lake is ice covered.
If you or past observers on your lake have always used another method to judge ice-on and ice-off, please describe the method
We always use the same procedure.
Date of First "Ice On" (When lake was first observed to be closed in the fall)
November 22, 2008
Comments

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Primary Data Collector	
Name PAUL MAHLBERG Phone Number 920-839-2536 Faul_mahlberg eya poo	o, com
Additional Data Collector Names  WHLTER SCHOOF	
Monitoring Location	
Waterbody Name Kangaroo Lake Balleys Harbor Door	
Describe your observation point We observe lake at 3 an 4 location to verify that lake 15 frozen overe.	
Describe portion of waterbody you can see from your observation point Entire lake, both north and South lobes	
Date and Time of Monitoring	
Start Date Start Time several days before it is evident that lake is about to freeze over	
Start Date = Date you observed "ice on".	
Monitoring Results	
"Ice On" = A lake is considered ice covered when the deepest part of the lake is ice covered.	
If you or past observers on your lake have always used another method to judge ice-on and ice-off, please describe the method	
We always use the same procedure.	
Date of First "Ice On" (When lake was first observed to be closed in the fall)	
December 3 2009	
Comments	

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Primary Data Collector	
Name PAUL MAHLBERG Phone Number 920-839-2536 Email Paul_mahlbergeyanoo	i, com
Additional Data Collector Names	
Monitoring Location	
Waterbody Name Kangaroo Lake Balleys Harbor Door	
Describe your observation point MP observe loke at 3 and location to	
Describe your observation point We observe lake at 3 an 4 location to verify that lake 15 frozen over.	
Describe portion of waterbody you can see from your observation point entire lake, both north and south lobes	
Date and Time of Monitoring	
Start Date Start Time Several days before it is evident that lake is about to freeze over.	
Start Date = Date you observed "ice on".	
Monitoring Results	
"Ice On" = A lake is considered ice covered when the deepest part of the lake is ice covered.	
If you or past observers on your lake have always used another method to judge ice-on and ice-off, please describe the method	
We always use the same procedure.	
Date of First "ice On" (When lake was first observed to be closed in the fall)	
December 9, 2010	
Comments	

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## Ice Observation Report - "Ice On"

Form 3200-131 (R 02/08)

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Primary Data Collector	
Name PAUL MAHLBERG	Phone Number 920 - 839-2536 Paul mahlberg Cyal
Additional Data Collector Names	
Monitoring Location	
Waterbody Name Kangaroo Lake Balleys Harbo	County Door
Describe your observation point We abserve Verify that lake 15 fr	19Ke at 3 or 4 location to
Describe portion of waterbody you can see from your observation pand South lobes	coint Entire lake, both north
Date and Time of Monitoring	
Start Date Start Time Several a that latie is a	days before it is evident bout to freeze over
Start Date = Date you observed "ice on".	
Monitoring Results	
"Ice On" = A lake is considered ice covered when the deepest part of	of the lake is ice covered.
If you or past observers on your lake have always used another me We always USS だん	ethod to judge ice-on and ice-off, please describe the method  Some FVO Codure.
Date of First "Ice On" (When lake was first observed to be closed in December 273	•
CONTRIBUTE	

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Form 3200-131 (R 02/08)

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Primary Data Collector				
Name PAUL MMH	LBERG	Phone Number 920 - 839-2536	Faul_mahlbe	erg Eya hoc
Additional Data Collector Names				
				1
Monitoring Location				
Waterbody Name Kangaroo Lake Ball	nip Name leys Harbor	County		
Describe your observation point We of verify that lake	oserve la 1s froz	ike at 3 at en overe.	4 location	n to
Describe portion of waterbody you can see from and South lobe		Entire la	Ke, both	north
Date and Time of Monitoring				
Start Date Start Time Seve That lad	eral de	igs before	e it is evice	den t
Start Date = Date you observed "ice on".				
Monitoring Results				
"Ice On" = A lake is considered ice covered whe	en the deepest part of the	lake is ice covered.		
If you or past observers on your lake have alway We alway & 4	ys used another method t	to judge ice-on and ice-off, plea	se describe the method アクヘムd ルア C	) ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Date of First "Ice On" (When lake was first obse	erved to be closed in the fa	all)		
December	24, 2	012		
Comments	· · · · · · · · · · · · · · · · · · ·			

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Primary Data Collector
Name PAUL MAHLBERG Phone Number 920-839-2536 Faul_mahlbergeya
Additional Data Collector Names
Monitoring Location
Waterbody Name Kangaroo Lake Baileys Harbor Door
Describe your observation point MP observe lake at 3 and location to
Describe your observation point We observe lake at 3 an 4 location to verify that lake 15 frozen overs.
Describe portion of waterbody you can see from your observation point Entire lake, both north and South lobes
Date and Time of Monitoring
Start Date Start Time Several days before it is evident  that lake is about to freeze over
Start Date = Date you observed "ice on".
Monitoring Results
"Ice On" = A lake is considered ice covered when the deepest part of the lake is ice covered.
If you or past observers on your lake have always used another method to judge ice-on and ice-off, please describe the method
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Date of First "Ice On" (When lake was first observed to be closed in the fall)
November 24, 2013
Comments

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Primary Data Collector
Name PAUL MMHLBERG Phone Number 920-839-2536 Paul_mahlbergeyand
Additional Data Collector Names
Monitoring Location
Waterbody Name Kangaroo Lake Balleys Harbor County Door
Describe your observation point We observe lake at 3 or 4 location to verify that lake 15 frozen overs.
Describe portion of waterbody you can see from your observation point Entire lake, both north and south lobes
Date and Time of Monitoring
Start Date Start Time Several days before it is evident that lake is about to freeze over.
Start Date = Date you observed "ice on".
Monitoring Results
"Ice On" = A lake is considered ice covered when the deepest part of the lake is ice covered.
If you or past observers on your lake have always used another method to judge ice-on and ice-off, please describe the method
We always use the same procedure.
Date of First "Ice On" (When lake was first observed to be closed in the fall)
November 26, 2014
Comments

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