

CRICKET FROG SURVEY

UNION COUNTY, SD

Conducted by the Staff and Students of Akron-Westfield
Community School

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September 1, 2001

SOUTH DAKOTA DEPARTMENT OF FISH, GAME, & PARKS

Cricket Frog Survey
Union County, SD
May 6 – June 26, 2001

Preparation:

Using USGS maps of the area, map of Union County South Dakota and students knowledge of the area, a map was constructed showing the location of survey sites. Established survey routes were determined and traveled before any attempt to survey the area for Cricket Frogs. During April (before the ice went off ponds, gravel pits and the river) staff and students listened to frog/toad identification tape prepared by the Wisconsin Department of Natural Resources and read articles about Cricket Frog habitat, life history, distribution, when to frog watch, amphibians declines and survey methods.

Conducting the Survey:

The survey began on May 6, 2001 as there was still ice on area gravel pits through mid April and the first Chorus Frogs were heard April 22, 2001. The last survey was on the evening of June 26, 2001 and by this time the two survey crews had :

- traveled over 400 miles,
- listen for frogs/toads at 30 sites,
- identified 10 species of frogs and toads,
- photographed Cricket Frogs, and
- held Cricket Frogs in our hands.

Nine of the 30 sites contained Cricket Frogs, while 17 of the 30 sites contained frogs and/or toads that were identified either by visual or audio identification. Also, at a few sites Cricket Frogs were captured in a net photographed and tape recordings of Cricket Frog calls were also made.

The protocol used for the Cricket Frog survey was Frogwatch USA Protocol, USGS OMB No. 1028-0072 that can be obtained online at <http://mp2-pwrc.usgs.gov/frogwatch>. Because all the participants in the survey had never participated in a frog/toad survey, it was very important that all participants listened at each site more than twice to be sure that no frog/toad call was missed. For this reason the survey crews would revisit each site within a few days or just go to a site and listened and test each other on the frog/toad calls heard.

Conclusions:

Based on the numbers of Cricket Frogs heard or found at all the sites a couple of things become apparent when one looks at the environment of each site:

- greatest number of Cricket Frogs were found in the river flood plain,
- farm fields lost to floods in 1993 seem to have the greatest Cricket Frog population,
- flooded ditches along dikes appear to provide a good environment for Cricket Frogs, and
- there are viable populations of Cricket Frogs in the Big Sioux River Valley in Union County, South Dakota.

- Thirty (30) sites were sampled in Union County, SD. Nine (9) of the thirty (30) sites yielded positive identification of cricket frogs, by either visual or audio identification.
- A total of 10 species of frogs and toads were seen or heard.

1. Cricket Frog, *Acris crepitans blanchardi*
2. Woodhouse's Toad, *Bufo woodhousei*
3. Northern Leopard Frog, *Rana pipiens*
4. Plains Spadefoot Toad, *Scaphiopus bombiformis*
5. Gray Tree Frog, Family Hylidae
6. American Toad, *Bufo americanus*
7. Chorus Frog, *Pseudacris triseriata*
8. Great Plains Toad, *Bufo cognatus*
9. Cope's Tree Frog, Family Hylidae
10. Bullfrog, *Rana clamitans*

Cricket Frog Survey
Union County, SD
May 6-June 26, 2001

<u>Site Name</u>	<u>Lat. / Long.</u>	<u>Elevation</u>	<u>Type of Water Area</u>
Miller's (MS)	42°46.83 N/96°38.308 W	1140 ft.	Timbered Riverine- oxbow
SE 34*	42°49.34 N/96°36.67 W	1153 ft.	Timbered Riverine-stream
Brown's Creek (BC)*	42°50 N/96°35 W	1172 ft.	Open Riverine-channelized
MM1*	42°48.75 N/96°35.79 W	1182 ft.	Ephemeral Flooded Area
MM2*	42°47.88 N/96°36.35 W	1124 ft.	Ephemeral Flooded Area
W. Maynard's (WM)	42°47.66 N/96°36.766 W	1147 ft.	Open Riverine-meandering
RR1*	42°51.997 N/96°33.303 W		Shrub Marsh
RR3*	42°54.346 N/96°32.603 W		Ephemeral Flooded Area
C13-1	43°0.661 N/96°32.716 W		Wet Meadow
483 + 304C*	42°58.717 N/96°32.947 W		Wet Meadow
11/ 50	42°45.764 N/96°41.279 W	1132 ft.	Perm. Open H2O(gravel pit)
11/ 50 N*	42°46.081 N/96°41.278 W	1130 ft.	Perm. Open H2O(gravel pit)
1C Ditch	42°49.892 N/96° 47.164 W	1240 ft.	Perm. Open H2O(gravel pit)
7 & 483	42°37.60 N/96°32.82 W		Ephemeral Flooded Area
480 th Ave.	42°41.12 N/96°36.39 W		Open Riverine-channelized
324 th Street	42°41.58 N/96°36.35 W		Ephemeral Flooded Area
SOB (D1)*	42°49.845 N/96°35.192 W		Ephemeral Flooded Area

* indicates a positive identification of Cricket Frogs, either visual or audio.

Cricket Frog Survey
Union County, SD
May 6 – June 26, 2001

Chemical Parameters

Dissolved Oxygen

Low - 1 ppm
High - 13 ppm

Nitrate

Low - 0 mg/L
High - 3.2 mg/L

Ammonium Nitrogen

Low - .28 mg/L
High - 1.8 mg/L

Phosphorus

Low - .02 mg/L
High - 2.46 mg/L

- The Hach DR 2010 was used to determine nitrate, ammonium nitrogen, and phosphorus levels. Water samples (150 ml) were collected, cooled and returned to the lab for processing.
 - For the dissolved oxygen levels, the Hach 60 ml sample PAO drop method was used. This test was conducted in the field.
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Frogwatch USA Data Sheet

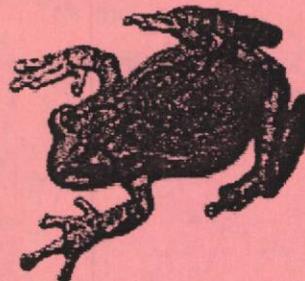
OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) Ahl Frogwatch Date May 16, 2001
 Observer Number(s) 11 Time Start 7:30 PM
 Site Number Miller's (MS) Time End 9:45 PM
(42°46.83 N / 96°38.507 W)

Weather Conditions



Air Temperature - Indicate °C or °F 58 F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing

Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes Water temperature: 50°F elevation: 1140 feet

type of water area: Timber & maple (8) - woods



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frog Watch Group Date May 6, 2001

Observer Number(s) 11 Time Start 7:30 PM

Site Number SE 34 Time End 8:45 PM

(42°49'34" N / 96°35'57" W)

Weather Conditions

Air Temperature - Indicate °C or °F 52°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing

Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes Type of water area: Timbered Riverine (B)-outflow
elevation: 1153 feet





Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group Date May 10, 2001

Observer Number(s) 6 Time Start 9:00 pm

Site Number M9 (Miller's) Time End 10:15 pm
(42°46.7311 / 96°37.302 W)

Weather Conditions

Air Temperature - Indicate °C or °F 63° F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

(0) 1 2 3 4 5

Precipitation during visit:

(None) Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

(No Precipitation) Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

(Above Freezing) Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	1	<u>(2)</u>	3
<u>American Toad</u>	0	<u>(1)</u>	2	3
<u>Cope's Tree Frog</u>	0	<u>(1)</u>	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes Water temperature: 65° F elevation: 1140 feet
type of water area: Timbered Ponds (8) - 05000



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group

Date May 10, 2001

Observer Number(s) 6

Time Start 9:00 pm

Site Number SE 34
(42°49.34'N, 76°30.07'W)

Time End 10:15 pm

Weather Conditions

Air Temperature - Indicate °C or °F 61° F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

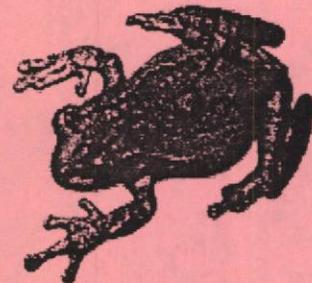
None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	1	<u>2</u>	3
<u>American Toad</u>	0	<u>1</u>	2	3
<u>Cope's Tree Frog</u>	0	<u>1</u>	2	3
<u>Cricket Frog</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes Water temperature: 61° F elevation: 1153 feet

type of water area: Timbered Riparian (8) - stream



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group Date May 10, 2001

Observer Number(s) 6 Time Start 9:00 pm

Site Number Brown's Creek (BC) Time End 10:15 pm

(42°50'N / 96°35'W)

Weather Conditions

Air Temperature - Indicate °C or °F 64°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity	
<u>Chorus Frog</u>	0	1	2 <u>3</u>
<u>American Toad</u>	0	<u>1</u>	2 3
<u>Cook's Tree Frog</u>	0	<u>1</u>	2 3
<u>Crickal Frog</u>	0	<u>1</u>	2 3
_____	0	1	2 3
_____	0	1	2 3

Other notes Water Temperature: 65°F elevation: 1172 ft

type of water area: Open Runoff (T) - channelized



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group Date May 15, 2002

Observer Number(s) 19 Time Start 8:26 am

Site Number SE 3A Time End 9:55 am

(42° 49.3' N, 96° 36.6' W)

Weather Conditions

Air Temperature - Indicate °C or °F 76°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

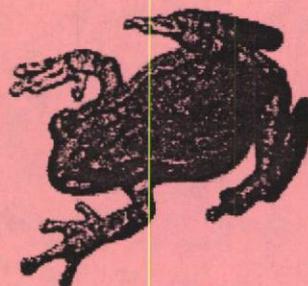
None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	1	<u>2</u>	3
<u>Leopard Frog</u>	0	<u>1</u>	2	3
<u>American Toad</u>	0	1	2	3
<u>Cope's Tree Frog</u>	0	<u>1</u>	2	3
<u>Crickrel Frog</u>	0	1	2	3
	0	1	2	3

Other notes Water temperature: 74°F elevation: 153 feet

type of water area: Timbered E. edge of meadow



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Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group Date May 15, 2001

Observer Number(s) 19 Time Start 8:26 am

Site Number Browns Creek (BC) Time End 9:55 am
(42°50'N / 96°35'W)

Weather Conditions

Air Temperature - Indicate °C or °F 79°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>No frogs</u>	0	1	2	3
	0	1	2	3
	0	1	2	3
	0	1	2	3
	0	1	2	3
	0	1	2	3

Other notes Water Temperature: 82°F

elevation: 1172 feet type of water: pond



Frogwatch USA Data Sheet

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Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group Date May 15, 2001

Observer Number(s) 19 Time Start 8:26pm

Site Number Minimum Maintenance 1 (PMA) Time End 9:55pm
(42° 48.75 N / 96° 33.79 W)

Weather Conditions

Air Temperature - Indicate °C or °F 77°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	<u>1</u>	2	3
<u>American Toad</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes Water temperature: 73°F elevation: 112' feet

type of water area: Ephemeral Flooded Area



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group Date May 15, 2001

Observer Number(s) 19 Time Start 8:26 pm

Site Number Minimum Maintenance 2 (MMA) Time End 9:55 pm

(42°47.88N / 93°35.55W)

Weather Conditions

Air Temperature - Indicate °C or °F 76°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	1	<u>2</u>	3
<u>Leopard Frog</u>	0	<u>1</u>	2	3
<u>American Toad</u>	0	<u>1</u>	2	3
<u>Coe's Tree Frog</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes 110°F temperature: 74°F elevation: 1124 feet

type of water area: Ephemera Flooded Area (1)



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group Date May 15, 2001

Observer Number(s) 19 Time Start 9:26 am

Site Number Miller's (115) Time End 9:55 am

(42°46.83 N / 96°37.807 W)

Weather Conditions

Air Temperature - Indicate °C or °F 74° F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	<u>1</u>	2	3
<u>American Toad</u>	0	<u>1</u>	2	3
<u>Eastern Tree Frog</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp. : 75° F elevation: 1140 feet

type of water area: Embayment Flooded Area (1)



Frogwatch USA Data Sheet

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Volunteer & Site Information

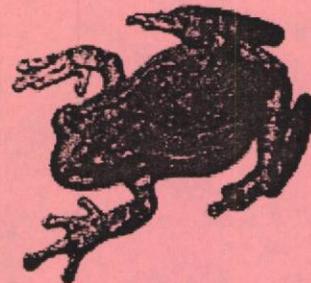
Visit Information

Name(s) A-W Frogwatch Group Date May 15, 2001

Observer Number(s) 19 Time Start 9:26 am

Site Number WM (West Maryland's) Time End 9:55 am
(42°47.66 N / 96°36.766 W)

Weather Conditions



Air Temperature - Indicate °C or °F 70°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing

Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	<u>1</u>	2	3
<u>Eastern Tree Frog</u>	0	<u>1</u>	2	3
<u>Woodhouse Toad</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp.: 75°F elevation: 1147 ft

type of water area: Open Riverine (7) - Marshy



Frogwatch USA Data Sheet

OMB No. 1028-0072
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Volunteer & Site Information

Visit Information

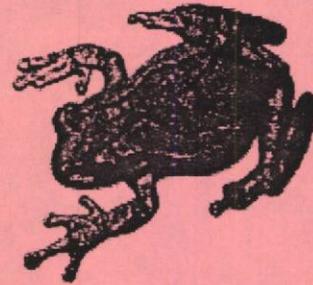
Name(s) A-W Frogwatch Group Date May 21, 2001

Observer Number(s) 18 Time Start 8:48 pm

Site Number Miller's (MS) Time End 11:01 pm

(42°46.83N / 96°38.308 W)

Weather Conditions



Air Temperature - Indicate °C or °F 47° F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing

Frog & Toad Observations

Species	Calling	Intensity		
<u>No frogs</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>
_____	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>
_____	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>
_____	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>
_____	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>
_____	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>

Other notes water temp: 58°F elevation: 1140 feet

type of water area: Timbered Riverine (8) - oxbow



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) A-W Frogwatch Group

Date May 21, 2001

Observer Number(s) 18

Time Start 8:48 am

Site Number West Maunard's (WM)
(42°47.06 N / 96°36.76 W)

Time End 11:01 am

Weather Conditions

Air Temperature - Indicate °C or °F 50°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp.: 55°F elevation: 1147 ft

type of water area: Open Riverine (7) - Meandering



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group Date May 21, 2001

Observer Number(s) 18 Time Start 8:48 pm

Site Number Minimum Maintenance 8 (MMA) Time End 11:01 pm
(42°47.88N / 96°36.55W)

Weather Conditions

Air Temperature - Indicate °C or °F 48° F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	<u>1</u>	2	3
<u>Leopard Frog</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp: 54° F elevation: 1124 ft

water area: Ephemeral Flooded Area (1)

Please submit your observations online (www.mp2-pwrc.usgs.gov/frogwatch) or by US mail. If you have any questions, please contact Gideon Lachman, Frogwatch Coordinator, USGS PWRC
12100 Beech Forest Road, Laurel, MD 20708-4038, Phone: (301) 497-5819.



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) A-W Frogwatch Group Date May 21, 2001

Observer Number(s) 19 Time Start 7:47 am

Site Number Minimum Maintenance 1 (MMS) Time End 11:01 am
(42° 48.75 N / 96° 35.79 W)

Weather Conditions

Air Temperature - Indicate °C or °F 50° F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp: 53° F elevation: 1182 ft

water area: Emergent, Faded Area (1)

Please submit your observations online (www.mp2-pwrc.usgs.gov/frogwatch) or by US mail. If you have any questions, please contact Gideon Lachman, Frogwatch Coordinator, USGS PWRC
12100 Beech Forest Road, Laurel, MD 20708-4038, Phone: (301) 497-5819.



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) A-W Frogwatch Group Date May 21, 2001

Observer Number(s) 18 Time Start 7:48 am

Site Number SE 34 Time End 11:01 am

(42°49.34N / 96°36.67W)

Weather Conditions

Air Temperature - Indicate °C or °F 48°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

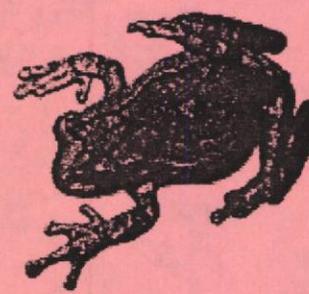
None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>no frogs</u>	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp: 52°F elevation: 1153 ft

type of water area: Timbered Prairie (2) - stream



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

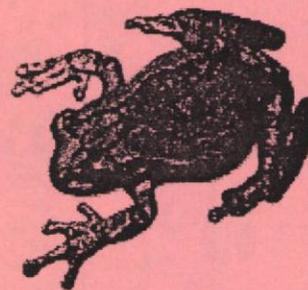
Name(s) A-W Frogwatch Group Date May 21, 2001

Observer Number(s) 18 Time Start 7:49 am

Site Number Brown's Creek (BC) Time End 11:01 am

(42°50'N / 96°35'W)

Weather Conditions



Air Temperature - Indicate °C or °F 44° F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 **3** 4 5

Precipitation during visit:

None **Fog/Mist** Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing

Frog & Toad Observations

Species	Calling	Intensity		
<u>no frogs</u>	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp: 53° F elevation: 1172 ft

type of water area: Open Riverine (7) - channelized

Please submit your observations online (www.mp2-pwrc.usgs.gov/frogwatch) or by US mail. If you have any questions, please contact Gideon Lachman, Frogwatch Coordinator, USGS PWRC
12100 Beech Forest Road, Laurel, MD 20708-4038, Phone: (301) 497-5819.



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) A-W Frogwatch Group Date May 22, 2001

Observer Number(s) 16 Time Start 9:21 pm

Site Number Miller's (MS) Time End 10:15 am
(42°46.8311 / 96°37.307 W)

Weather Conditions

Air Temperature - Indicate °C or °F 60°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

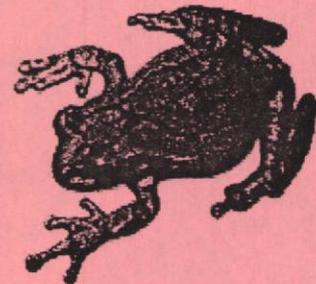
None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	1	<u>2</u>	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp: 51° Elevation: 1140ft

Edge of water area: Timbered clearing (2)-oak

Please submit your observations online (www.mp2-pwrc.usgs.gov/frogwatch) or by US mail. If you have any questions, please contact Gideon Lachman, Frogwatch Coordinator, USGS PWRC
12100 Beech Forest Road, Laurel, MD 20708-4038, Phone: (301) 497-5819.



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) A-W Frogwatch Group Date May 29 2001

Observer Number(s) 16 Time Start 9:21

Site Number WPA (26) / 1200 (3) Time End 10:15 am

(43°47.66N / 96°32.12W)

Weather Conditions

Air Temperature - Indicate °C or °F 60°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp. 56°F elevation 2472

type of water area: open ground (7) - 12m deep

Please submit your observations online (www.mp2-pwrc.usgs.gov/frogwatch) or by US mail. If you have any questions, please contact Gideon Lachman, Frogwatch Coordinator, USGS PWRC
12100 Beech Forest Road, Laurel, MD 20708-4038, Phone: (301) 497-5819.



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) A-W Frogwatch Group Date May 23, 2001

Observer Number(s) 116 Time Start 7:25 am

Site Number Minimum Maintenance 2 (MMS) Time End 10:15 pm

(42°47.29 N / 96°36.35 W)

Weather Conditions

Air Temperature - Indicate °C or °F 60°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit: _____

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	1	2	<u>3</u>
<u>Cope's Tree Frog</u>	0	1	2	<u>3</u>
<u>Cricket Frog</u>	0	1	2	<u>3</u>
<u>Woodhouse Toad</u>	0	1	2	<u>3</u>
<u>Bullfrog</u>	0	<u>1</u>	2	<u>3</u>
_____	0	1	2	<u>3</u>

Other notes water temp.: 61°F elevation 1124ft

type of water area: Ephemeral Flooded Forest

Please submit your observations online (www.mp2-pwrc.usgs.gov/frogwatch) or by US mail. If you have any questions, please contact Gideon Lachman, Frogwatch Coordinator, USGS PWRC 12100 Beech Forest Road, Laurel, MD 20708-4038, Phone: (301) 497-5819.



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AWL Frogwatch Group Date May 29, 2001

Observer Number(s) 16 Time Start 9:21 am

Site Number Minimum Maintenance 1 (PR2) Time End 10:15 am

(41° 48.75' N / 96° 35.79' W)

Weather Conditions

Air Temperature - Indicate °C or °F 60° F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>
<u>Cricket Frog</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>
<u> </u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>
<u> </u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>
<u> </u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>
<u> </u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>

Other notes water temp.: n/a elevation: 1180 ft

type of water area: Ephemeral Flooded Area



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group Date June 6, 2001

Observer Number(s) 9 Time Start 9:04 pm

Site Number RR1 Time End 11:15 pm

(42°51'22" N / 96°53'55" W)

Weather Conditions



Air Temperature - Indicate °C or °F 68° F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing

Frog & Toad Observations

Species	Calling	Intensity		
<u>American Toad</u>	0	<u>1</u>	2	3
<u>Cook's Tree Frog</u>	0	<u>1</u>	2	3
<u>Cricket Frog</u>	0	1	2	<u>3</u>
<u>Woodhouse Toad</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp. : 72° elevation : 0 ft

type of water : 100% creek water



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Fronton Grove Date June 6, 2001

Observer Number(s) 9 Time Start 9:04 pm

Site Number R33 Time End 11:15 pm

(42°54.346N / 96°32.603W)

Weather Conditions

Air Temperature - Indicate °C or °F 65°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity	
<u>Cricket Frog</u>	<u>0</u>	<u>1</u>	<u>2</u> <u>3</u>
_____	<u>0</u>	<u>1</u>	<u>2</u> <u>3</u>
_____	<u>0</u>	<u>1</u>	<u>2</u> <u>3</u>
_____	<u>0</u>	<u>1</u>	<u>2</u> <u>3</u>
_____	<u>0</u>	<u>1</u>	<u>2</u> <u>3</u>
_____	<u>0</u>	<u>1</u>	<u>2</u> <u>3</u>

Other notes water temperature elevation: n/a

type of water area: Ephemeral Flooded Area



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group Date June 3, 2001

Observer Number(s) 2 Time Start 9:04 pm

Site Number C13-1 Time End 11:15 pm

(43°0.6611 / 96°32.7164)

Weather Conditions

Air Temperature - Indicate °C or °F 68°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing

Frog & Toad Observations

Species	Calling	Intensity		
<u>American Toad</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp. in a stream

type of water body: wet meadow





Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group Date June 6, 2001

Observer Number(s) 9 Time Start 9:02 am

Site Number 483+204C Time End 11:15 am

(42°58.717N / 06°32.247W)

Weather Conditions

Air Temperature - Indicate °C or °F 67°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	<u>1</u>	2	3
<u>American Toad</u>	0	<u>1</u>	2	3
<u>Cricket Frog</u>	0	<u>1</u>	2	3
<u>Woodhouse Toad</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp.: n/a obs.: n/a

type of water area: wet meadow



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group Date June 11, 2001
 Observer Number(s) 13 Time Start 9:05 am
 Site Number 11/50 Time End n/a
 (42° 45.764 N / 96° 41 27 W)

Weather Conditions

Air Temperature - Indicate °C or °F 78°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>no frogs</u>	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp. : n/a elevation : 1132ft

type of water area : Permanent Open Water (Grass Pt.)



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group

Date June 11, 2001

Observer Number(s) 13

Time Start 9:05 am

Site Number 11/53 N
(42°46.08' N / 95°11.57' W)

Time End no

Weather Conditions

Air Temperature - Indicate °C or °F 78°F



Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing

Frog & Toad Observations

Species	Calling	Intensity		
<u>Cope's Tree Frog</u>	0	<u>1</u>	2	3
<u>Croaker Frog</u>	0	<u>1</u>	2	3
<u>Woodhouse Toad</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water level low elevation: 1130 ft

dip of water area: 100' Open Water (100' x 100')

Please submit your observations online (www.mp2-pwrc.usgs.gov/frogwatch) or by US mail. If you have any questions, please contact Gideon Lachman, Frogwatch Coordinator, USGS PWRC
12100 Beech Forest Road, Laurel, MD 20708-4038, Phone: (301) 497-5819.



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group

Date June 11, 2001

Observer Number(s) 13

Time Start 9:05 pm

Site Number 1CDITCH

Time End n/a

(42°49.892N / 96°47.164W)

Weather Conditions

Air Temperature - Indicate °C or °F 76°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 **2** 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation **Some Precipitation** Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>no frogs</u>	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp. : n/a elevation : 1290 ft

type of water area : Permanent Open Water (small pond)

Please submit your observations online (www.mp2-pwrc.usgs.gov/frogwatch) or by US mail. If you have any questions, please contact Gideon Lachman, Frogwatch Coordinator, USGS PWRC
12100 Beech Forest Road, Laurel, MD 20708-4038, Phone: (301) 497-5819.



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group

Date June 14, 2001

Observer Number(s) 9

Time Start 9:30 pm

Site Number 74483
(48°37.60 N / 96°32.82 W)

Time End n/a

Weather Conditions

Air Temperature - Indicate °C or °F 63°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 **2** 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation *Some Precipitation* *Much Precipitation*

The temperature during the past 48 hours has primarily been:

Above Freezing *Below Freezing*



Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	1	2	3
<u>Cope's Tree Frog</u>	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp.: 70°F elevation: n/a

type of water area: Ephemeral Flooded Area

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Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group

Date June 14, 2001

Observer Number(s) 9

Time Start 9:30 pm

Site Number 480th Ave
(42°41.12 N / 96°36.39 W)

Time End n/a

Weather Conditions

Air Temperature - Indicate °C or °F 65°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing

Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	<u>1</u>	2	3
<u>Leopard Frog</u>	0	1	<u>2</u>	3
<u>Woodhouse Toad</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temperature : 68°F elevation : n/a

type of water area : Channelized Draining Ditch





Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group Date June 14, 2001

Observer Number(s) 9 Time Start 9:30 pm

Site Number 324th Street Time End n/a

(42°41.58 N / 96°36.35 W)

Weather Conditions

Air Temperature - Indicate °C or °F 65°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing

Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	1	<u>2</u>	3
<u>Great Plains Toad</u>	0	<u>1</u>	2	3
<u>Woodhouse Toad</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp. : 68°F elevation : n/a

type of water area : Ephemeral Flooded Area





Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group

Date June 21, 2001

Observer Number(s) 7

Time Start 9:01 pm

Site Number South of Bakers (D1)
(42°49.845 N / 96°35.192 W)

Time End n/a

Weather Conditions

Air Temperature - Indicate °C or °F 71°F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>Chorus Frog</u>	0	<u>1</u>	2	3
<u>Leopard Frog</u>	0	<u>1</u>	2	3
<u>Cricket Frog</u>	0	1	<u>2</u>	3
<u>Woodhouse Toad</u>	0	<u>1</u>	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp. : 78°F elevation : n/a

type of water area Ecological Flooded Area

Please submit your observations online (www.mp2-pwrc.usgs.gov/frogwatch) or by US mail. If you have any questions, please contact Gideon Lachman, Frogwatch Coordinator, USGS PWRC
12100 Beech Forest Road, Laurel, MD 20708-4038, Phone: (301) 497-5819.



Frogwatch USA Data Sheet

OMB No. 1028-0072
Expiration 8/31/02

Volunteer & Site Information

Visit Information

Name(s) AW Frogwatch Group Date June 26, 2001

Observer Number(s) 7 Time Start 8:28pm

Site Number South of Baker's (D1) Time End n/a

(42°49.845N / 96°35.192W)

Weather Conditions

Air Temperature - Indicate °C or °F 78° F

Wind Speed (Circle an appropriate value of the Beaufort Scale):

0 1 2 3 4 5

Precipitation during visit:

None Fog/Mist Light Rain/Drizzle Medium Rain Hard Rain Hail Snow

Has there been precipitation in the past 48 hours?

No Precipitation Some Precipitation Much Precipitation

The temperature during the past 48 hours has primarily been:

Above Freezing Below Freezing



Frog & Toad Observations

Species	Calling	Intensity		
<u>no frogs</u>	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3
_____	0	1	2	3

Other notes water temp: n/a elevation: 1152 ft

type of water area: Ephemeral Flooded Area

Please submit your observations online (www.mp2-pwrc.usgs.gov/frogwatch) or by US mail. If you have any questions, please contact Gideon Lachman, Frogwatch Coordinator, USGS PWRC
12100 Beech Forest Road, Laurel, MD 20708-4038, Phone: (301) 497-5819.

References Used

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