



To aid us in conserving paper and reducing printing costs, you may wish to photocopy this page.

## Adopt-a-Frog Pond • Malformation Monitoring Data Sheet

Please feel free to photocopy forms.

### Site Data

Site number: \_\_\_\_\_ to be assigned by TPWD \_\_\_\_\_ Location of site (Lat-Long or distance & direction from nearest town): \_\_\_\_\_  
County: \_\_\_\_\_

### Observer Data

Total volunteer time (# people X # hours): \_\_\_\_\_

Name: \_\_\_\_\_ Daytime phone: \_\_\_\_\_  
Address: \_\_\_\_\_ Evening phone: \_\_\_\_\_  
City/St/Zip: \_\_\_\_\_ Fax: \_\_\_\_\_  
E-mail: \_\_\_\_\_

### Amphibian Observation Information

If there is more than one species present, use a different data sheet for each species

Date of Observation: \_\_\_\_\_  
Species name (or description): \_\_\_\_\_  
Total number of normal individuals: \_\_\_\_\_ Total number of malformed individuals: \_\_\_\_\_

### Record number of individuals in each malformation category

- These categories can be used with adult or metamorphosing (4 legs) frogs and toads.
- Normal frogs and toads have four digits ("fingers") on their front ("fore") limbs, and five on their hind limbs.
- If possible, please photograph any deformed animals you find; use a ruler or coin in the photo to give a size perspective.
- For photographic examples of deformities in frogs and toads, go to the NARCAM site: <http://frogweb.nbii.gov/narcam/>

### Record data below or on the drawings on next page.

Malformation	Code	Number	Malformation	Code	Number	Malformation	Code	Number
Missing Eye(s)	ME		Extra Hind Limb(s)	EHL		Missing Fore Digit(s)	MFD	
Displaced Eye(s)	DE		Extra Fore Limb(s)	EFL		Partial Hind Limb(s)	PHL	
Retained Tail	RT		Abnormal Hind Limb(s)	AHL		Partial Fore Limb(s)	PFL	
Split Hind Limb(s)	SHL		Abnormal Fore Limb(s)	AFL		Cranial Shortening	CRS	
Split Fore Limb(s)	SFL		Extra Hind Digit(s)	EHD		Abnormal Mandible (jaw)	ABM	
Missing Hind Limb(s)	MHL		Extra Fore Digit(s)	EFD		Webbing Cutaneous Fusion	WCF	
Missing Fore Limb(s)	MFL		Missing Hind Digit(s)	MHD		Other (describe below)		



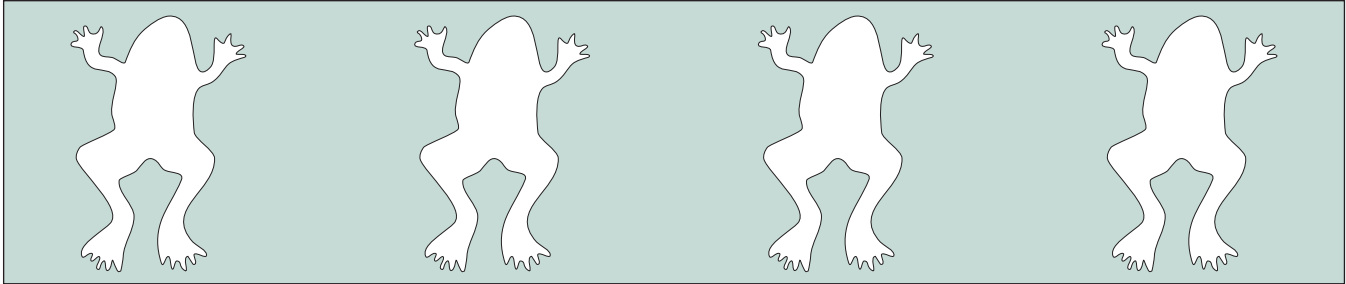


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Or, if you prefer, circle a limb if it is split, place an X through a missing limb or eye, draw in an extra limb, tail, or skin if present. Place the number of frogs found with an abnormality next to that image. Note any other deformities.

### Dorsal view of the top of the frog



### Habitat Description

Habitat where you found the amphibian(s):

- Wet meadow
- Swamp
- Pond
- Lake
- Stream
- Marsh
- Land

Other (please describe): \_\_\_\_\_

If it was on land, how close was the nearest wetland that may be an amphibian breeding habitat?

*Remember: Amphibians can breed in a variety of wetland types, including ponds that dry up every year ("vernal pools") and wet meadows.* \_\_\_\_\_

### Please answer the following questions about the wetland the amphibians were in, or about the wetland nearest to the on-land locations of the amphibians you found:

What land uses are directly adjacent to the wetland? Check all that apply:

- |  |  |
|--|--|
| <input type="checkbox"/> Undisturbed natural area<br><input type="checkbox"/> Suburban residences<br><input type="checkbox"/> Urban residences<br><input type="checkbox"/> Rural residences<br><input type="checkbox"/> Recreation area (describe)<br>_____<br>_____ | <input type="checkbox"/> Cropland (list types)<br>_____<br><input type="checkbox"/> Rangeland (pasture) for cattle<br><input type="checkbox"/> Rangeland (pasture) for other livestock (list types)<br>_____<br><input type="checkbox"/> Industry/Manufacturing (describe)<br>_____<br><input type="checkbox"/> Other<br>_____ |
|--|--|

What is the area like in general? Check all that apply:

- |   |  |
|---|--|
| <input type="checkbox"/> Wilderness<br><input type="checkbox"/> Relatively undisturbed natural area<br><input type="checkbox"/> Suburban residential area<br><input type="checkbox"/> Urban residential area<br><input type="checkbox"/> Other (describe)<br>_____<br>_____ | <input type="checkbox"/> Rural residential area<br><input type="checkbox"/> Recreational area<br><input type="checkbox"/> Farming/ranching community<br><input type="checkbox"/> Industrial area |
|---|--|

Please return data sheets and map by DEC. 31 to:  
Texas Amphibian Watch, Texas Parks and Wildlife Dept.  
4200 Smith School Road, Austin, TX 78744



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# Adopt-a-Frog Pond • Malformation Monitoring Data Sheet

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## Site Data

Site number: \_\_\_\_\_ to be assigned by TPWD \_\_\_\_\_

Location of site (Lat-Long or distance & direction from nearest town):

County: San Jacinto

Double Lake Recreation Area, Sam Houston Nat'l Forest, 4 mi. S of Coldspring

## Observer Data

Total volunteer time (# people X # hours): 8 hrs.

Name: Ima Prince

Daytime phone: 123-456-7890

Address: 201 Hopalong Way

Evening phone: 123-098-7654

Fax: 123-456-7899

City/St/Zip: Coldspring, TX 78542

E-mail: toadlove@aol.com

## Amphibian Observation Information

If there is more than one species present, use a different data sheet for each species

Date of Observation: 6/7/2000

Species name (or description): Southern leopard frog

Total number of normal individuals: 6

Total number of malformed individuals: 1

## Record number of individuals in each malformation category

- These categories can be used with adult or metamorphosing (4 legs) frogs and toads.
- Normal frogs and toads have four digits ("fingers") on their front ("fore") limbs, and five on their hind limbs.
- If possible, please photograph any deformed animals you find; use a ruler or coin in the photo to give a size perspective.
- For photographic examples of deformities in frogs and toads, go to the NARCAM site: <http://frogweb.nbio.gov/narcam/>

### Record data below or on the drawings on next page.

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Retained Tail	RT		Abnormal Hind Limb(s)	AHL		Partial Fore Limb(s)	PFL	
Split Hind Limb(s)	SHL		Abnormal Fore Limb(s)	AFL		Cranial Shortening	CRS	
Split Fore Limb(s)	SFL		Extra Hind Digit(s)	EHD		Abnormal Mandible (jaw)	ABM	
Missing Hind Limb(s)	MHL	<u>1</u>	Extra Fore Digit(s)	EFD		Webbing Cutaneous Fusion	WCF	
Missing Fore Limb(s)	MFL		Missing Hind Digit(s)	MHD		Other (describe below)		

right hind foot was missing



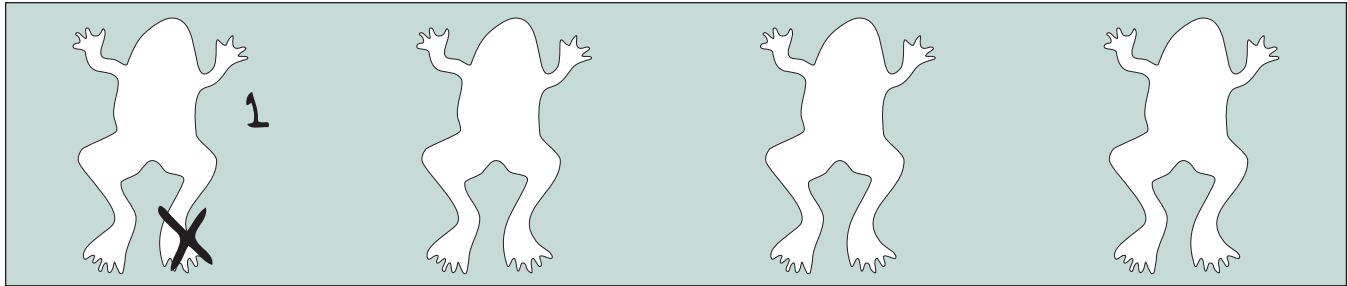


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Or, if you prefer, circle a limb if it is split, place an X through a missing limb or eye, draw in an extra limb, tail, or skin if present. Place the number of frogs found with an abnormality next to that image. Note any other deformities.

### Dorsal view of the top of the frog



### Habitat Description

Habitat where you found the amphibian(s):

Wet meadow    Swamp    Pond    Lake    Stream    Marsh    Land

Other (please describe): 25 acre, man-made

If it was on land, how close was the nearest wetland that may be an amphibian breeding habitat?

Remember: Amphibians can breed in a variety of wetland types, including ponds that dry up every year ("vernal pools") and wet meadows. \_\_\_\_\_

**Please answer the following questions about the wetland the amphibians were in, or about the wetland nearest to the on-land locations of the amphibians you found:**

What land uses are directly adjacent to the wetland? Check all that apply:

- Undisturbed natural area
- Suburban residences
- Urban residences
- Rural residences
- Recreation area (describe)  
national forest picnic ground
- Cropland (list types)  
\_\_\_\_\_
- Rangeland (pasture) for cattle
- Rangeland (pasture) for other livestock (list types)  
\_\_\_\_\_
- Industry/Manufacturing (describe)  
\_\_\_\_\_
- Other  
\_\_\_\_\_

What is the area like in general? Check all that apply:

- Wilderness
- Relatively undisturbed natural area
- Suburban residential area
- Urban residential area
- Other (describe)  
\_\_\_\_\_
- Rural residential area
- Recreational area
- Farming/ranching community
- Industrial area

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