Introduction

Tracking Crayfish presence in Zambia

Live Redclaw crayfish after harvesting

This poll has been developed as a part of a research project on population dynamics of the Australian Redclaw Crayfish (Cherax quadricarinatus) in Zambia. The study is funded by USAID through the Fish Innovation Lab implemented by the Mississippi State University, and implemented by the university of Zambia, University of Rhode Island, and Cultivating New Frontiers in Agriculture with the support of The Ministry of Fisheries and Livestock's Department of Fisheries and The Department of National Parks and Wildlife.

The crayfish was introduced to Zambia in 2004 and has since spread expansively in the country, causing concerns of its ecological impacts and causing harm to fishing. The crayfish has also been cited as a potential threat to Okavango Delta, a World Heritage Site, if its spread continues.Therefore, it is imperative to closely monitor its spread and understand the site-specific dynamics of its population.

This poll takes only 5-10 minutes to fill in. Feel free to forward it to others to fill in, including individuals in areas where you suspect that crayfish may not be present. Please note that we ask you to provide your replies regarding a specific location in Zambia that you are familiar with; you do not need to be in the location you are reporting on.

Section 1: Personal information and location

Personal Identification information (Optional):
Instructions: Providing your name and contact information is optional and only necessary if you are interested in being part of a later efforts to periodically monitor the crayfish population in Zambia.

Name

Email address

Phone number

WhatsApp number

Please select the option that best describes your main occupation

- Fisheries Department staff
- National Parks and Wildlife Staff
- Engaged in tourism industry
- Professional fisher
- Recreational fisher
- Government official
- Researcher, please specify field
- Other, please specify

Specific location for which information is given
Directions for getting your GPS location coordinates: with Android phone: Open Google Maps; it will zoom to your approximate location. Press and hold on the screen to drop a pin marker. Click on the dropped pin; latitude and longitude will be displayed below the map.

Province

District

- Chililabombwe
- Chingola
- Kalulushi
- Kitwe
- Luanshya
- Lufwanyama
- Masaiti
- Mpongwe
- Mufulira
- Ndola
- Chadiza
- Chama
- Chasefu
- Chipangali
- Chipata
- Kasenengwa
- Katete
- Lumezi
- Lundazi
- Lusangazi
- Mambwe

- Nyimba
- Petauke
- Sinda
- Vubwi
- Chilanga
- Chongwe
- Kafue
- Luangwa
- Lusaka
- Rufunsa
- Chinsali
- Isoka
- Kanchibiya
- Lavushimanda
- Mafinga
- Mpika
- Nakonde
- Shiwang'andu
- Chilubi
- Kaputa
- Kasama
- Lunte
- Lupososhi
- Luwingu
- Mbala
- Mporokoso
- Mpulungu
- Mungwi
- Nsama
- Senga
- Chavuma
- Ikelenge
- Kabompo
- Kasempa
- Kalumbila

- ◯ Manyinga
- ◯ Mufumbwe
- ◯ Mushindamo
- ◯ Mwinilunga
- ◯ Solwezi
- ◯ Zambezi
- ◯ Chikankata
- ◯ Chirundu
- ◯ Choma
- ◯ Gwembe
- ◯ Itezhi-Tezhi
- ◯ Kalomo
- ◯ Kazungula
- ◯ Livingstone
- ◯ Mazabuka
- ◯ Monze
- ◯ Namwala
- ◯ Pemba
- ◯ Siavonga
- ◯ Sinazongwe
- ◯ Zimba
- ◯ Kalabo
- ◯ Kaoma
- ◯ Limulunga
- ◯ Luampa
- ◯ Lukulu
- ◯ Mitete
- ◯ Mongu
- ◯ Mulobezi
- ◯ Mwandi
- ◯ Nalolo
- ◯ Nkeyema
- ◯ Senanga
- ◯ Sesheke
- ◯ Shang'ombo

- Sikongo
- Sioma
- Chembe
- Chiengi
- Chifunabuli
- Chipili
- Kawambwa
- Lunga
- Mansa
- Milenge
- Mwansabombwe
- Mwense
- Nchelenge
- Samfya
- Chibombo
- Chisamba
- Chitambo
- Itezhi-Tezhi
- Kabwe
- Kapiri Mposhi
- Luano
- Mkushi
- Mumbwa
- Ngabwe
- Serenje
- Shibuyunji

Name of specific area

GPS coordinates (optional)

What water body are you reporting on?

Name

Type of water body

Crayfish Presence

Instructions: Please answer the following questions about the location you are reporting about. This may or may not be the location you are currently in.

Is crayfish present in the area?

- Yes
- No
- It used to be but is no longer
- I do not know

When did you first hear/see crayfish in this location? Enter year

Section 5 Additional information

Please provide any other information you think is relevant to the population changes and spread of the crayfish.

Section 4: Crayfish disappearance

When was the first time you saw or heard about the presence of crayfish in this area? Enter year

Was anyone trapping the crayfish?

- ◯ Yes
- ◯ No
- ◯ I don't know

What purpose was the crayfish being trapped for?

- ☐ Home consumption

- [ ] Sell
- [ ] I don't know

Do you know why the crayfish disappeared?

- ◯ Yes
- ◯ No
- ◯ Not sure

Based on your understanding, why did the crayfish disappear?

Section II: Information on crayfish

How often do you see it?

- ◯ No more than once in a year
- ◯ No more than once in half year
- ◯ No more than once in in quarter year
- ◯ No more than once a month
- ◯ No more than once a week
- ◯ Every day
- ◯ I don't know

Since the first time you saw them, what changes have you observed in the crayfish population

- ◯ Increased
- ◯ Decreased
- ◯ Increased at first, then decreased
- ◯ Decreased at first, then increased

- ◯ Stayed the same
- ◯ I don't know

Since the first time you saw them, what changes have you observed in the average crayfish size

- ◯ Increased
- ◯ Decreased
- ◯ Increased at first, then decreased
- ◯ Decreased at first, then increased
- ◯ Stayed the same
- ◯ I don't know

Since the first time you heard about them, what changes have you heard about the crayfish population

- ◯ Increased
- ◯ Decreased
- ◯ Increased at first, then decreased
- ◯ Decreased at first, then increased
- ◯ Stayed the same
- ◯ I don't know

Since the first time you heard about them, what changes have you heard about average crayfish sizes?

- ◯ Increased
- ◯ Decreased
- ◯ Increased at first, then decreased
- ◯ Decreased at first, then increased
- ◯ Stayed the same
- ◯ I don't know

Does anyone trap crayfish in the location?

- ◯ Yes
- ◯ No
- ◯ I don't know

What purpose do those trapping catch the crayfish for?
Select all that apply

- ☐ Home consumption
- ☐ Sell
- ☐ I don't know

Since introduction, has home consumption of crayfish

- ◯ Increased
- ◯ Decreased
- ◯ Increased at first, then decreased
- ◯ Decreased at first, then increased
- ◯ Stayed the same
- ◯ I don't know

Since introduction, have sales of crayfish

- ◯ Increased
- ◯ Decreased
- ◯ Increased at first, then decreased
- ◯ Decreased at first, then increased
- ◯ Stayed the same
- ◯ I don't know

Who do the trappers sell the crayfish to?

- [ ] Lodges
- [ ] Restaurants
- [ ] Chinese traders
- [ ] Other traders - within town
- [ ] Other traders - out of town
- [ ] others, specify
- [ ] I don't know

Price per unit of crayfish

Kwacha

Units

Powered by Qualtrics