

ReDS Assessment Methodology

- > **Multi-sectoral** assessment tool, which combined **qualitative and quantitative** data. For more information on the methodology and analysis, see the <u>ToR</u>.
- Methodology based on **key informant interviews** (KIIs) that took place between 7 May and 7 September 2022 in Al-Atheem, Al-Rayhana, Markaz Al-Hawiga, Al-Amerli, and Zummar sub-districts.
- Purposive sampling methods were employed to identify KIs. Findings should therefore be considered as indicative.

KI Profiles in Assessed Sub-districts

IDPs from assessed sub-districts
Returnees (returned more than 3 months ago)
Subject matter experts (SMEs)
Community leaders
IDPs in assessed sub-districts
Remainees¹
Returnees (returned less than 3 months ago)

44 KIs

43 KIs

36 KIs

34 KIs

25 KIs

22 KIs



1 "Remainee" refers host community members who were not displaced during the events of 2014 or after.



Background

In 2022, Iraq witnessed a second consecutive year of drought and record low levels of rainfall contributing to decreased river levels, limited access to drinking and irrigation water, depleted harvests and incomes, and barriers to food accessibility, among other issues .

Norwegian Refugee Council, October 2022

"Across Iraq, 98% of households are estimated to live in areas with a precipitation deficit in the first quarter of 2022."

REACH Initiative, July 2022

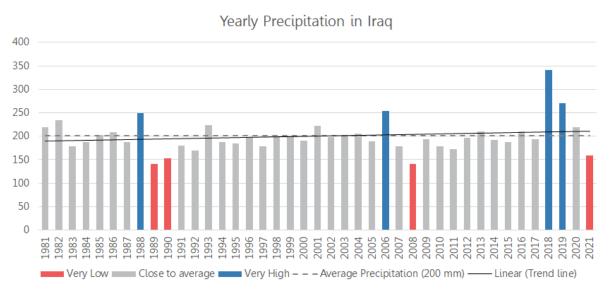
In five out of the six sub-districts that were assessed for the Returns and Durable Solutions Assessments (ReDS) in 2022, namely Al-Atheem, Al-Rayhana, Markaz Al-Hawiga, Al-Amerli, and Zummar sub-districts, KIs reported perceiving that climate change and water scarcity has a negative impact on households' ability to access sustainable livelihoods and sufficient quality and quantity of water. This presentation presents consolidated findings on the impact of climate change and water scarcity on livelihoods and access to public water in these five sub-districts.

TURKEY TURKEY IRAN Iraq Duho SAUDI ARABIA Erbil Ninewa SYRIA Kirkuk Al-Sulaymaniyah Salah Al-Din Diyala Euphrates IRAN Baghdad Al-Anbar Wassit Tig Kerbala Babil Maysan Al-Qadissiya Thi Qar Al-Najaf **Average precipitation (mm)** Al-Basra Al-Muthanna 1094 62 Major river SAUDI ARABIA International boundary Governorate boundary

Background: Precipitation Level

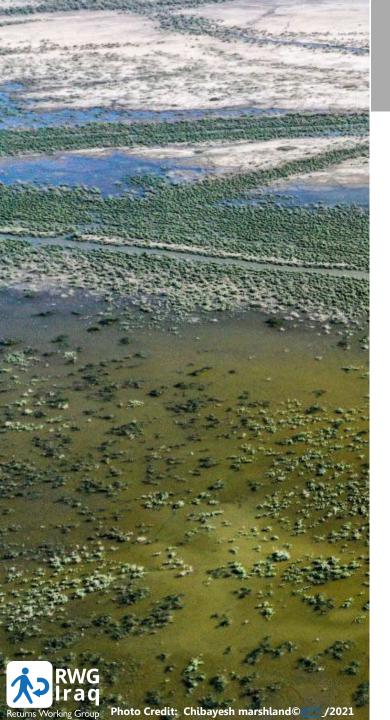
- Average precipitation level in Iraq is 200mm, most of which falls in northern Iraq.
- In 2021, the yearly average precipitation was "very low" compared to the historical average (1981-2021)

Action Against Hunger, REACH Initiative, April 2022



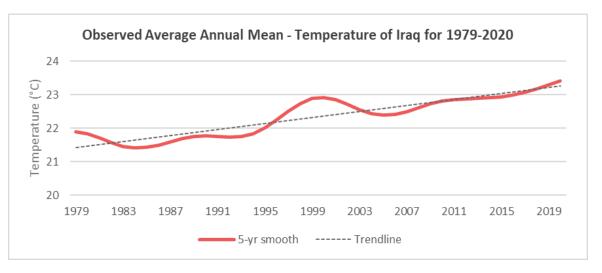
Source: Climate Hazards Group Infrared Precipitation with Station data (CHIRPS)





Background: Rising Temperature

From 1979 to 2020, the yearly average temperature in Iraq increased at a rate of around 0.045°C per year, resulting in an increase in the yearly average temperature of just under 2°C during this period.



Source: Climate Change Knowledge Portal, World Bank

Increased temperature is one of the contributing factors to land degradation and desertification in Iraq.

Planetary Security Initiative, May 2021





Importance of the Agricultural Sector

Potential for Sectoral Growth

Community leader and SME KIs in the five assessed sub-districts reported that the **agricultural sector** showed the **highest potential for growth** in the 12 months following data collection.

The agriculture sector in these subdistricts mostly <u>produce grains</u>, primarily wheat and barely.

Livelihood Sectors of Interest for Returnee and IDP Households

Agriculture was the most commonly reported sector which KIs perceived IDPs and returnees in the five assessed locations were interested in working in.



Impact of Climate Change and Water Scarcity on the Agricultural Sector

Challenges

In all five assessed sub-districts, KIs reported perceiving a **general lack of support** to revitalise the agricultural sector.

Reported challenges affecting farmers included:

- Lack of support to purchase seeds, fertilizers, and equipment, and
- Environmental conditions negatively affecting land irrigation.

Climate Change

Almost half of the KIs reported perceiving that climate change impacted the agricultural sector.

This was reportedly due to water scarcity and drought affecting:

- Land irrigation,
- Crop cultivation, and
- Reduced water levels in the Tigris and Euphrates rivers for aquaculture activities such as fishing, especially in Al-Rayhana Sub-district.

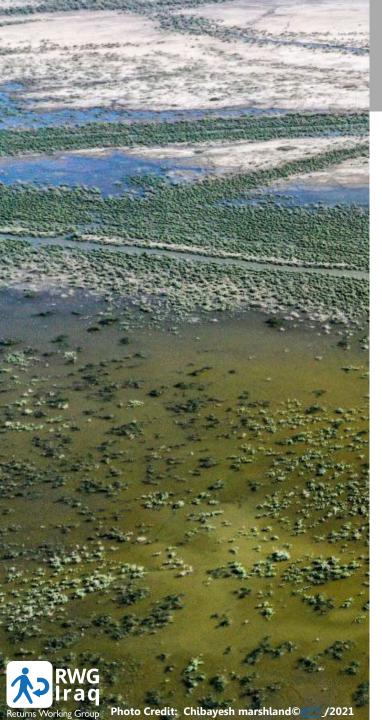
Impact

As a result of climate change impacts and related challenges to accessing livelihoods, KIs reported that IDP, remainee, and returnee households resorted to:

- Household members leaving their AoOs to find work elsewhere and
- Farmers leaving the agriculture sector.







Challenges in Accessing Water

Access to Public Water

Some KIs in the five assessed subdistricts reported that most households faced challenges in accessing public water services.

It was frequently cited that the quality and quantity of water was a concern for communities in the assessed sub-districts. This was reportedly due to:

- Public water infrastructure conditions e.g., damage to public water networks, coverage of public water networks, and
- Low water levels in Euphrates and Tigris rivers.

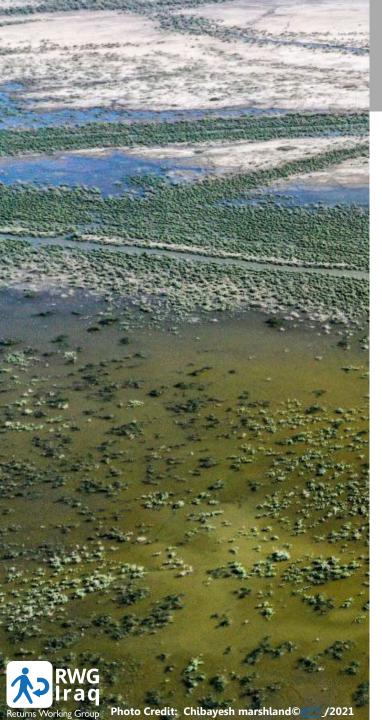
Coping Mechanisms

The most frequently reported coping mechanisms adopted by affected households included:

- Purchasing drinking water,
- Relying on water trucking, and
- Digging illegal/unplanned wells.

Recommendations

The most commonly reported KI recommendation across assessed locations was **rehabilitating the public water infrastructure**, such as water networks and treatment plants.



Returns Barriers and Family Separation

Return Barriers

The most commonly reported barriers for displaced households to return were:

- Damage/destroyed homes in AoOs,
- Lack of job opportunities in AoOs, and
- Lack of access to basic services, such as a lack of public water.

In Al-Atheem, Al-Rayhana, and Zummar sub-districts, the lack of job opportunities was the most frequently reported barrier for return.

Family Separation

Thirteen KIs in four out of five assessed sub-districts reported being aware of cases of family separation.

returnees, family separation could be due to adult men not returning with their households due to the lack of work opportunities in their AoOs/the availability of jobs in their AoDs, which was commonly reported by those KIs who reported family separation in their communities.

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