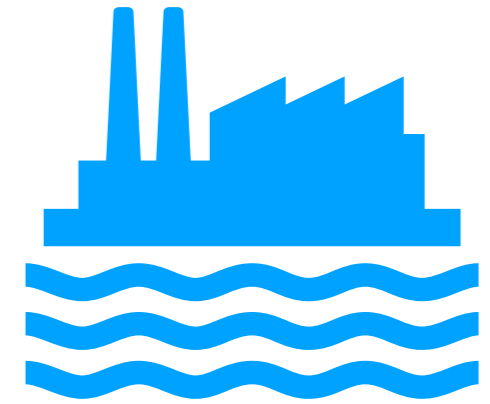


# Yarmouk Basin Development Pre 1948



**Zionist**

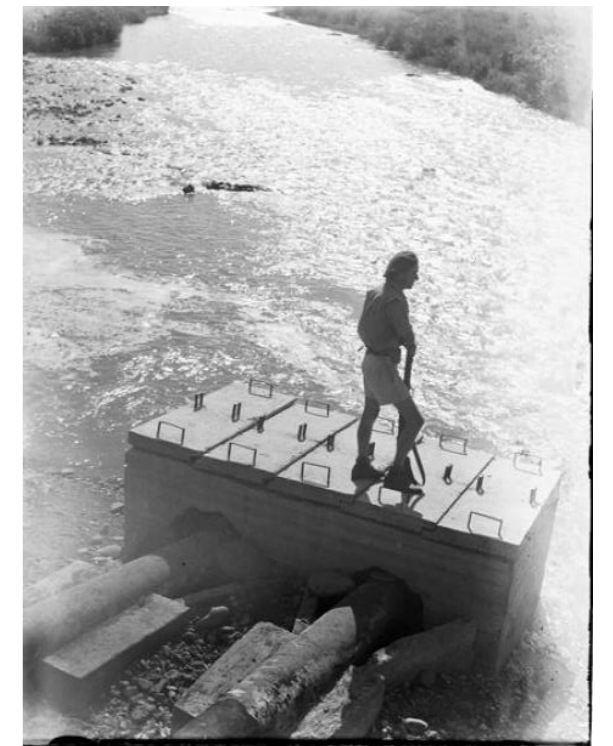
**Rutenberg  
Concession** (Dam,  
Naharayim Station,  
Kibbutzim pumping  
stations)

**Jordan**

Commencement of claims  
of water rights and the need  
to include Jordan in any  
water development plans

**Syria**

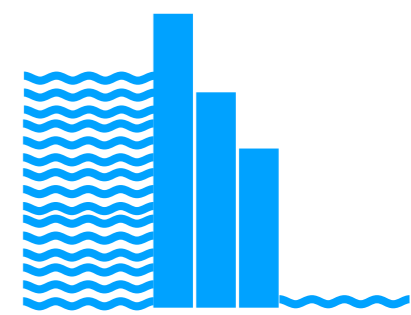
No claims or infrastructure



- **British-led development plans and concessions**
- **Vague acknowledgment of water rights and diplomacy**

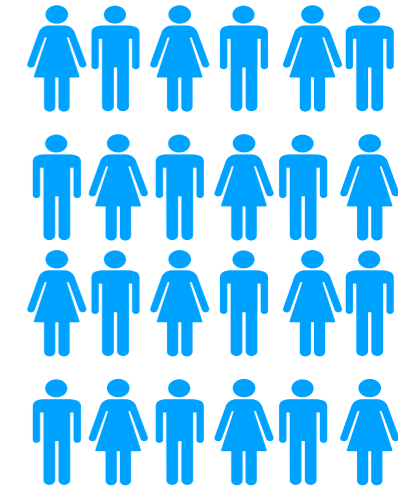
Guard on the Yarmouk,  
Kibbutz Masada pumps, 193x

# Yarmouk Basin Development 1948-1967



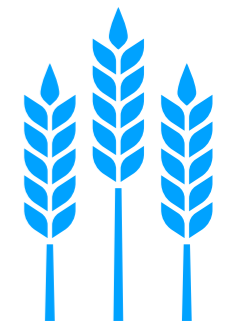
**Israel**

bombing of Rutenberg power plant and Jordanian infrastructure  
Kibbutzim continue pumping Israeli out of basin  
Diversion plan, **NWC**



**Jordan**

The Greater Yarmouk Project – **East Ghor Canal (King Abdallah Canal)**, WGC, Maqarin, Khalid, Adassiyeh  
EGC [commencement of construction]



**Syr- Jor agreement of 1953**

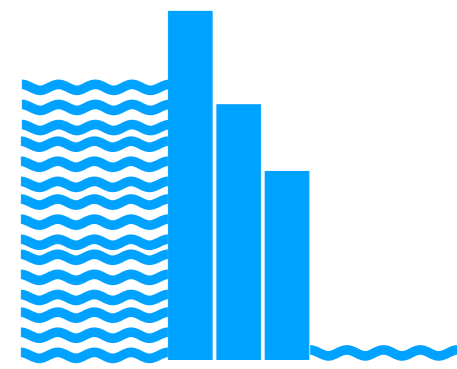
**Syria**

**Arab Diversion Plan 1964**  
Khalid Ibn il Waleed/Mukheibeh Dam  
Building of earthen dams  
GW exploration

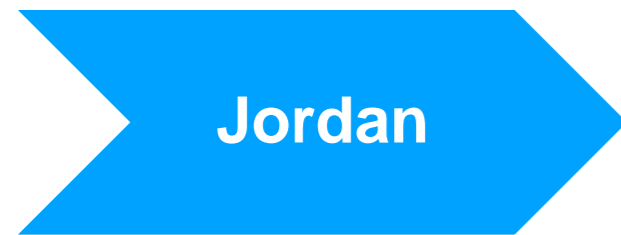
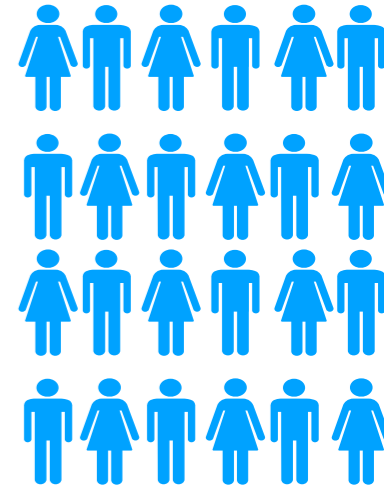


- Replacement of British incremental planning approach with US regional large scale irrigation schemes
- Heightened securitisation of water by newly formed states / 1950s Johnston Mission
- Israeli out of basin transfers
- Arab first (and last) attempt to unify efforts over protecting 'Arab' water resources

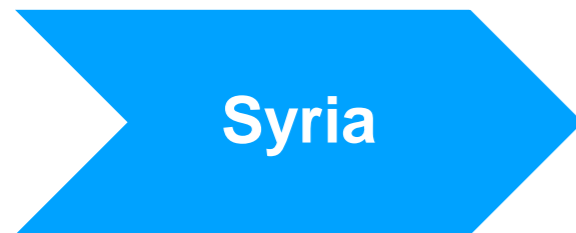
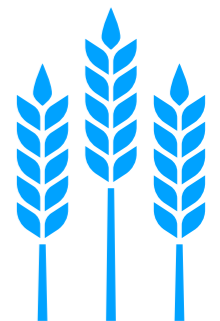
# Yarmouk Basin Development 1970s



- Israel expands its Yarmouk border with Jordan from 8 km to reach to Himmeh and Mukheibeh
- Jordan Vally Water Association(JVWA) pumping
  - GH, WB, UJR water secured
- Beginning of pumping water to LT in 1976



KAC resumption of construction and expansion, 78 km  
Continuous efforts to reach an agreement to build Maqarin (later Wehdeh dam)

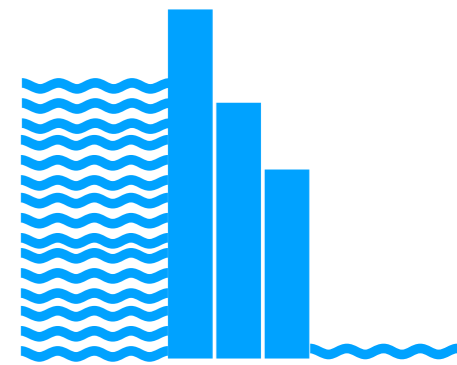


Buildings of dams, GW wells,  
pumping directly from the river



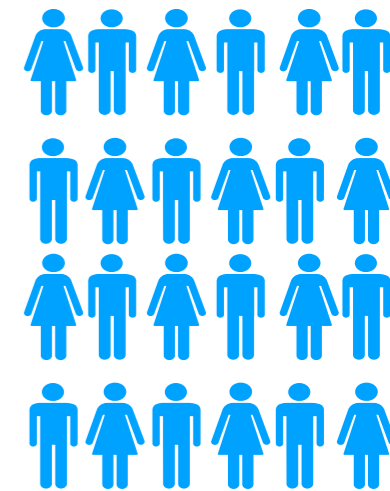
- Decade of unilateral actions and minimal confrontation
- Agricultural revolution drive of unilateral water utilisation
- Arab political turmoil and lack of cooperation
- Continuous US mediation between Isr-Jor

# Yarmouk Basin Development 1980s



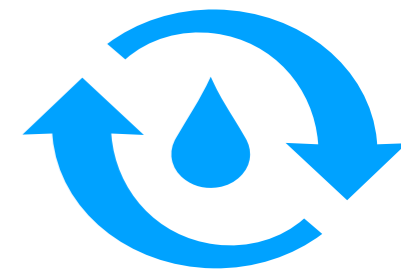
Israel

- JVWA continues pumping



Jordan

- Continuous efforts to reach an agreement on the Wehdeh Dam
- GW exploration - Mukheibeh wells



**1987 Syria-Jordan Agreement on Wehdeh Dam**

Syria

- Buildings of dams, GW wells, pumping directly from the river



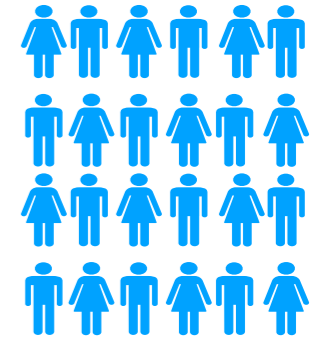
- Shift in Jordanian perspective on water needs → Drinking purposes
- Renewed cooperation efforts between Jor-Syr and Jor-Isr

# Yarmouk Basin Development 1990-2015



Israel

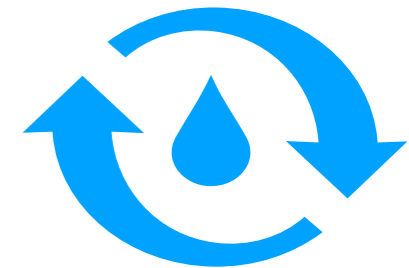
- 1994 Yarmoukim Station and pumps
- Yarmouk-Tiberias Exchange



**1994 Israel-Jordan Peace Treaty + water annex**

Jordan

- **Pipeline from Israel to KAC** ('water swap')
- **1998 Adassiyeh weir**



Syria

- **Wehdeh Dam** (complete in 2006)
- 2010-2015 Many dams lack maintenance and stop being operational



- Unilateral arrangements – Adassiyeh (Isr-Jor), Wehdeh (Syr-Jor)
- The water exchange approach between Isr-Jor consolidated (with additional agreements on desalinated water)
- Infrastructure – means or an end?

# Key infrastructure on the Yarmouk

Adassiyeh Weir - 1998



Dams on wadis ▽

Groundwater wells ●

Wehdeh dam

Adassiyeh diversion weir

Yarmouk tributary

King Abdallah Canal



Wehdeh Dam - 2006