







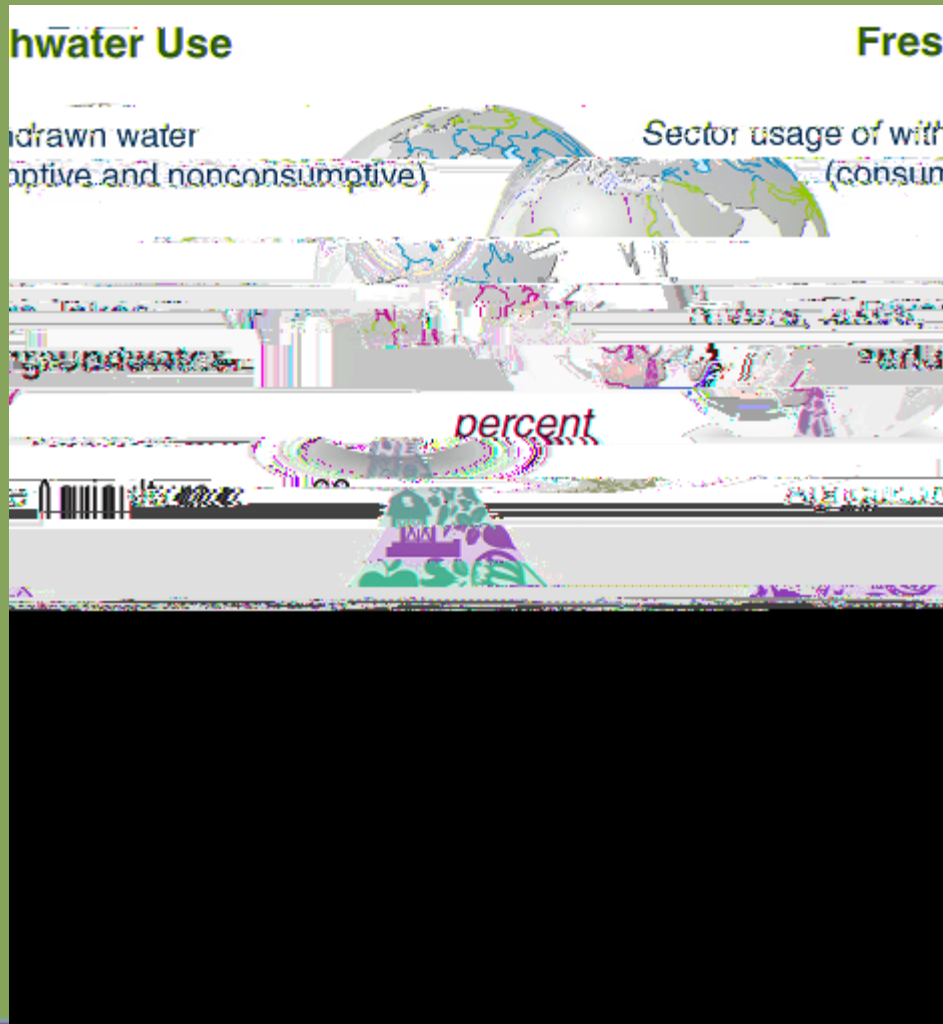
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# Bottom Line Up Front



# Factoids



## Water Content of Key Food Products

- Maize 900 m<sup>3</sup>/ton
- Wheat 1,300 m<sup>3</sup>/ton
- Rice 3,000 m<sup>3</sup>/ton
- Chicken 3,900 m<sup>3</sup>/ton
- Pork 4,900 m<sup>3</sup>/ton
- Beef 15,500 m<sup>3</sup>/ton

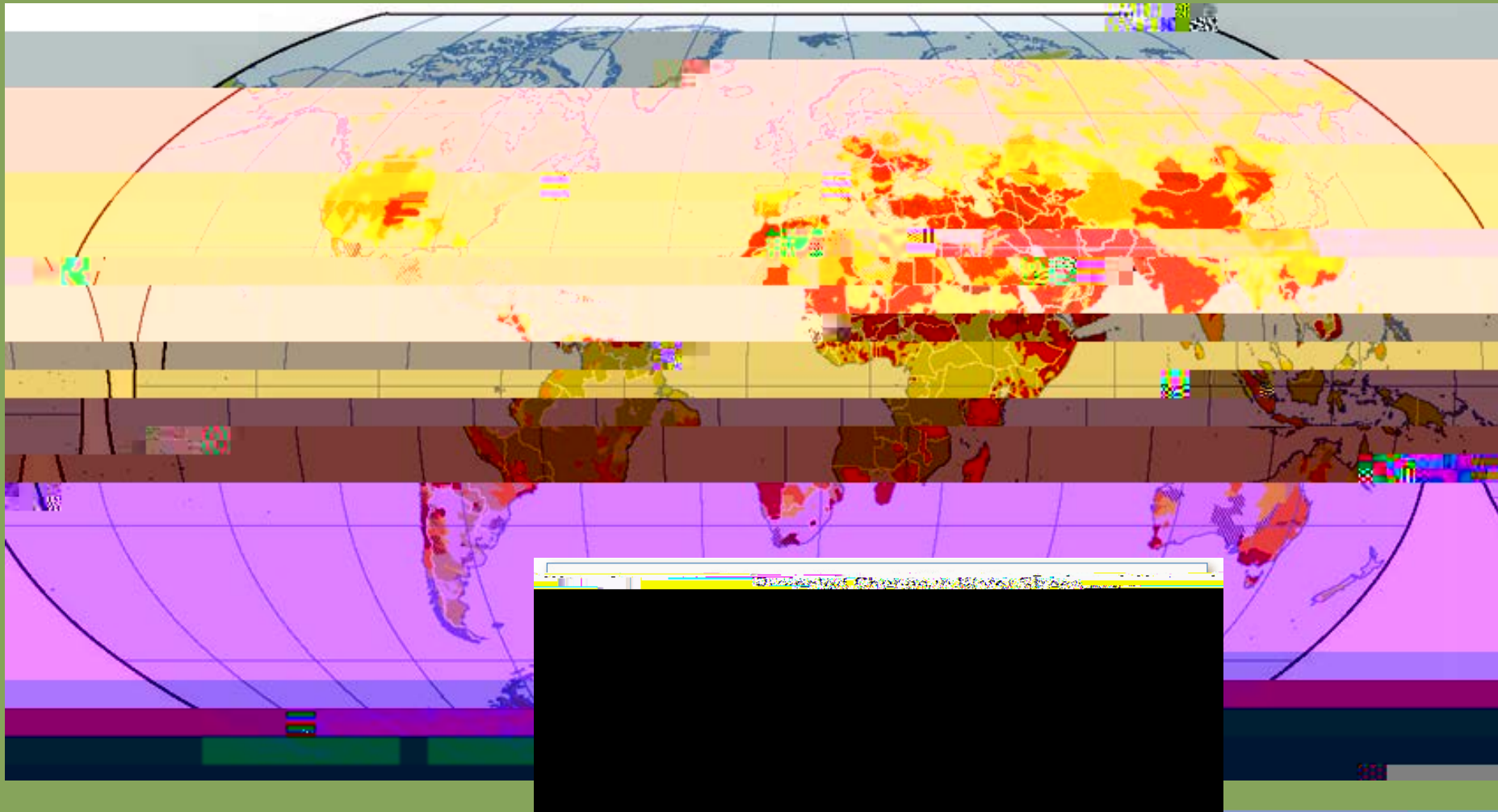


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# Global Water Picture (2025)





## ICA Key Judgment A

- During the next 10 years, water problems will contribute to instability in states important to US national security interests
  - Water issues by themselves are unlikely to result in state failure
  - Water problems



## ICA Key Judgment B

- Water-related state-on-state conflict is unlikely during the next 10 years
  - Historically, water tensions have led to more water-sharing agreements than violent conflicts
- However, beyond the next 10 years...
  - Water used as leverage
  - Water used as a weapon (terrorists)
  - Water related conflict is plausible





## ICA Key Judgment C

- During the next 10 years depletion of groundwater supplies in some agricultural areas—owing to poor management—will pose a risk to both national and global food markets.
  - Nearly all countries in the Middle East and North Africa have over-



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## ICA Key Judgment E

- From now through 2040, improved water management will afford the best solutions for water problems
  - Pricing, allocations,
  - Use of “virtual water” via trade
  - Investments in water-related sectors
    - Agriculture
    - Power
    - Water treatment

*Because agriculture uses approximately 70 percent of the global fresh water supply, the greatest potential for relief from water scarcity will be through technology that reduces the amount of water needed for agriculture.*



# ICA Key Judgment E (continued)

- Simple and inexpensive water



## Risks and Opportunities

- **Risks:** Engineering solutions to water shortages are becoming increasingly common
  - Threaten to raise tensions between organizations implementing these solutions and those harmed by them
  - Risk creating unintended consequences on the freshwater systems being altered



# Risks and Opportunities

- **Opportunities:** The developing world will look to the United



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## Other Insights

- The IC examines state stability as a critical part of determining potential threats to US interests and considers water, food, energy scarcity, and other factors in making such assessments
  - A structured approach that provided integrated natural resource assessments would be valuable for
    - National security assessments
    - Prioritizing development aid to achieve US foreign policy goals



