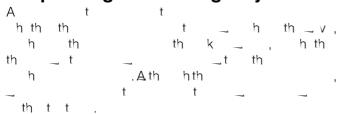
44. Emergency water supply

This is an overview of the principles of providing water in emergency situations. It outlines the planning procedures necessary for ensuring adequate supply, rather than focusing on design.

As well as food, shelter, and medical aid, providing clean water is usually one of the highest priorities in the event of an emergency. It should be considered alongside immediate sanitation measures, however, which are just as important in controlling many of the most common diseases found in disaster situations (see pages 21-24).

Responding to an emergency



Planning what to do

- h v _ _ t :
- Demand assessment
 H h t
- Location and protection of water sources

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- Water treatment

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- Water distribution
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- Collection and storage

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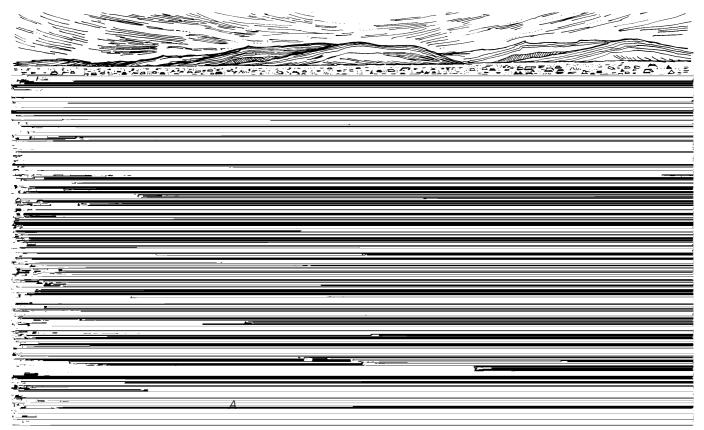
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Emergency water supply

Demand assessment

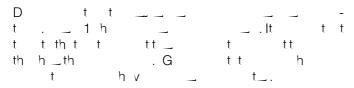


Table 1. A guide for assessing the demand for water in a disaster situation

Individuals	Minimum for survival	3 - 5 l/p/d		
	Desirable emergency supply	15 – 20 l/p/d		
Health centres	Out-patients only	5 l/patient/d		

In-patients (excluding 40 – 60 l/patient/d cholera hospitals)
(not including laundry)

Feeding centres 20 - 30 l/p/d

Toilet flushing water Pour flush latrines 2 - 8 l/p/d

Cistern flush 40 - 50 l/p/d Animals (approx.)

Cattle 20 - 30 l/h/dHorses, mules, donkeys 15 - 25 l/h/d

Sheep, goats, $10 - 20 \, l/h/d$

Camels 2 l/h/d Irrigation

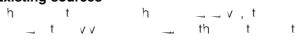
Very variable, but $3 - 6 \text{ l/m}^2/\text{d}$ typically

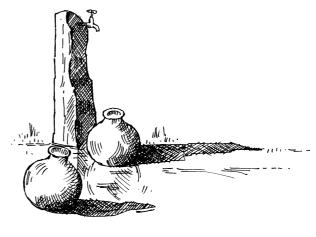
Allow at least 40% extra for unforeseen circumstances and waste.

Location of water sources

h th t t :

■ Existing sources



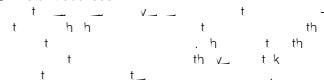


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■ Local sources

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■ Distant sources



A note about water quality

