

91733R



NEW ZEALAND QUALIFICATIONS AUTHORITY  
MANA TOHU MĀTAURANGA O AOTEAROA

QUALIFY FOR THE FUTURE WORLD  
KIA NOHO TAKATŪ KI TŌ ĀMUA AO!

## Level 2 Education for Sustainability, 2016

### 91733 Demonstrate understanding of initiatives that contribute to a sustainable future

9.30 a.m. Friday 2 December 2016

Credits: Four

## RESOURCE BOOKLET

Refer to this booklet to answer the questions for Education for Sustainability 91733.

Check that this booklet has pages 2–5 in the correct order and that none of these pages is blank.

**YOU MAY KEEP THIS BOOKLET AT THE END OF THE EXAMINATION.**

## RESOURCE A: ACCESSING SAFE WATER

### Introduction

Safe and readily available water is important for public health, whether it is used for drinking,



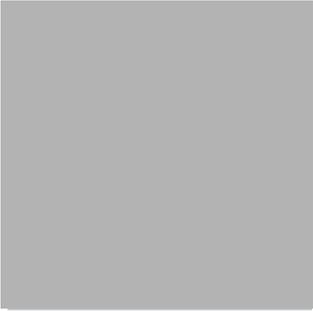
Women and children of western Africa taking drinking-water from a nearby stream contaminated with agricultural waste.



also have a co-benefit of reducing faecal contamination of water at the household level.

## Economic and social effects

When water comes from improved and more accessible sources, people



Women carrying water.



Even where the source is good, water can be contaminated while being transported or stored, especially in environments where sanitation is inadequate.

Text sources (adapted):

<http://www.who.int/mediacentre/factsheets/fs391/en/>

<http://www.unicef.org/wash/>

Image sources:

(p.2): <https://waterjournalistsafrika.files.wordpress.com/2011/11/water1.jpg>

(p.3 top): [http://static.water.org.s3.amazonaws.com/public/images/fact-women\\_03.png](http://static.water.org.s3.amazonaws.com/public/images/fact-women_03.png)

(p.3 centre): <https://s-media-cache-ak0.pinimg.com/564x/5c/0a/c1/5c0ac1d4994118be63a1a02c92e98728.jpg>

## RESOURCE B: WORLD VISION “WASH” PROGRAM

Over the past 30 years, World Vision has developed deep expertise, reaching millions of people



Solar-powered water pump used for irrigation.



installed by World Vision did not significantly decrease with age.



Groundwater pump providing clean water for a local community.

Text sources (adapted):

<http://www.worldvision.org/our-impact/clean-water#sthash.Ws3TFsYn.dpuf>

<https://www.worldvision.org/sites/default/files/pdf/UNC%20WSD%20Results%20Summary.pdf>

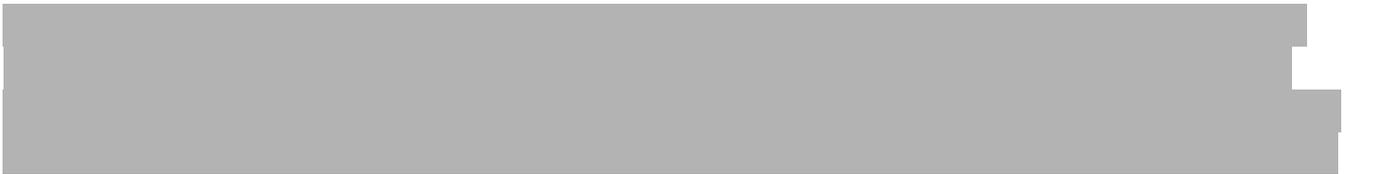
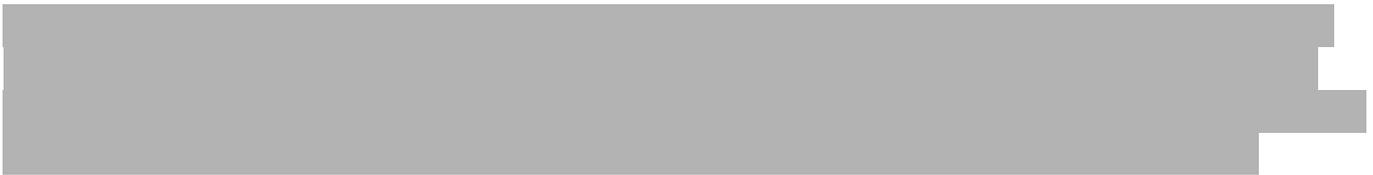
Image sources:

<https://poweringag.org/news-events/news/insight-rise-solar-powered-irrigation>

<http://inhabitat.com/smart-hand-pumps-could-provide-clean-water-to-rural-communities/african-water-pump/>

**RESOURCE C: WATER CREDIT**

On a site visit to India in 2003, Gary White, Water.org CEO and co-founder, met a woman who



share it with her neighbours, improving the lives of her family and community.

Text sources (adapted):

[https://s3.amazonaws.com/static.water.org/pdfs/2015-12-08+WaterCredit+Overview\\_General.pdf](https://s3.amazonaws.com/static.water.org/pdfs/2015-12-08+WaterCredit+Overview_General.pdf)

<http://water.org/post/heres-opportunity>

<http://water.org/solutions/watercredit>

Image source:

<http://water.org/solutions/watercredit>

