

Statistical Approach to Estimate Water-Use in Areas of Unconventional Oil and Gas Development

By Authors

Fact Sheet 2017–XXXX

U.S. Department of the Interior  
U.S. Geological Survey

U.S. Department of the Interior

RYAN ZINKE, Secretary

U.S. Geological Survey

Suzette M. Kimball, Director

U.S. Geological Survey, Reston, Virginia: 2017

For more information on the USGS—the Federal source for science about the Earth,  
its natural and living resources, natural hazards, and the environment—visit  
<http://www.usgs.gov> or call 1–888–ASK–USGS (1–888–275–8747)

For an overview of USGS information products, including maps, imagery, and publications,  
visit <http://www.usgs.gov/pubprod>

To order this and other USGS information products, visit <http://store.usgs.gov>

Any use of trade, firm, or product names is for descriptive purposes only and does not imply  
endorsement by the U.S. Government.

Although this information product, for the most part, is in the public domain, it also may  
contain copyrighted materials as noted in the text. Permission to reproduce copyrighted items  
must be secured from the copyright owner.

Suggested citation:  
Authors, 2017, Statistical Approach to Estimate Water-Use in Areas of Unconventional Oil and Gas Development: U.S. Geological Survey Fact Sheet 2017–XXXX, xx p., http://dx.doi.org/10.3133/fs2016XXXX.

ISSN 2327-6932 (online)

Statistical Approach to Estimate Water-Use in Areas of Unconventional Oil and Gas Development

By Authors

# Introduction

text

# Study Objectives

The objective of this study is to quantify water use associated with UOG development at a pilot site, hereafter referred to as study area, develop an estimation model, and determine associated uncertainty. Results of this study could provide information on estimates of water-use in areas where unconventional oil and gas (UOG) are being utilized. More specifically, the results of this study will,

* Define direct and indirect water-use
* Present a conceptual model that can be used in other areas of the country
* Characterize the types of data and information needed to quantify water-use that is associated with OUG
* Etc…

# Background of Unconventional Oil and Gas Water-Use Estimates

(This is where we define in more detail the direct and indirect water-use components)

1. Study area figure or black diagram, similar to the last FS

# Conceptual Model of Statistical Approach to Estimate Water-Use

text

# Data and Important Information Needed to Estimate Water-Use in Areas of Unconventional Oil and Gas Development.

text

# Key Terms

text

# References Cited

text

Figure 1.Caption

ISSN (online

http://dx.doi.org/10.3133/XXXX