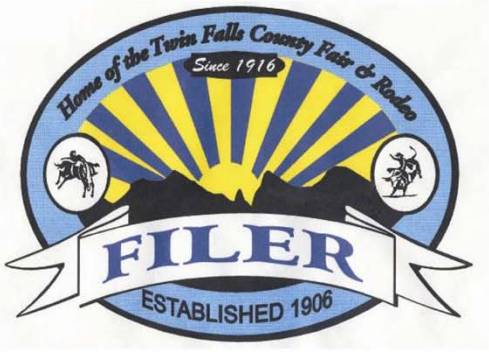
# SMALL TOWN WATER REUSE: CITY OF FILER'S TRANSITION TO ACHIEVING CLASS A RECYCLED WATER

2014 Idaho Reuse Conference
Boise, ID
May 21-22




J-U-B ENGINEERS, INC.

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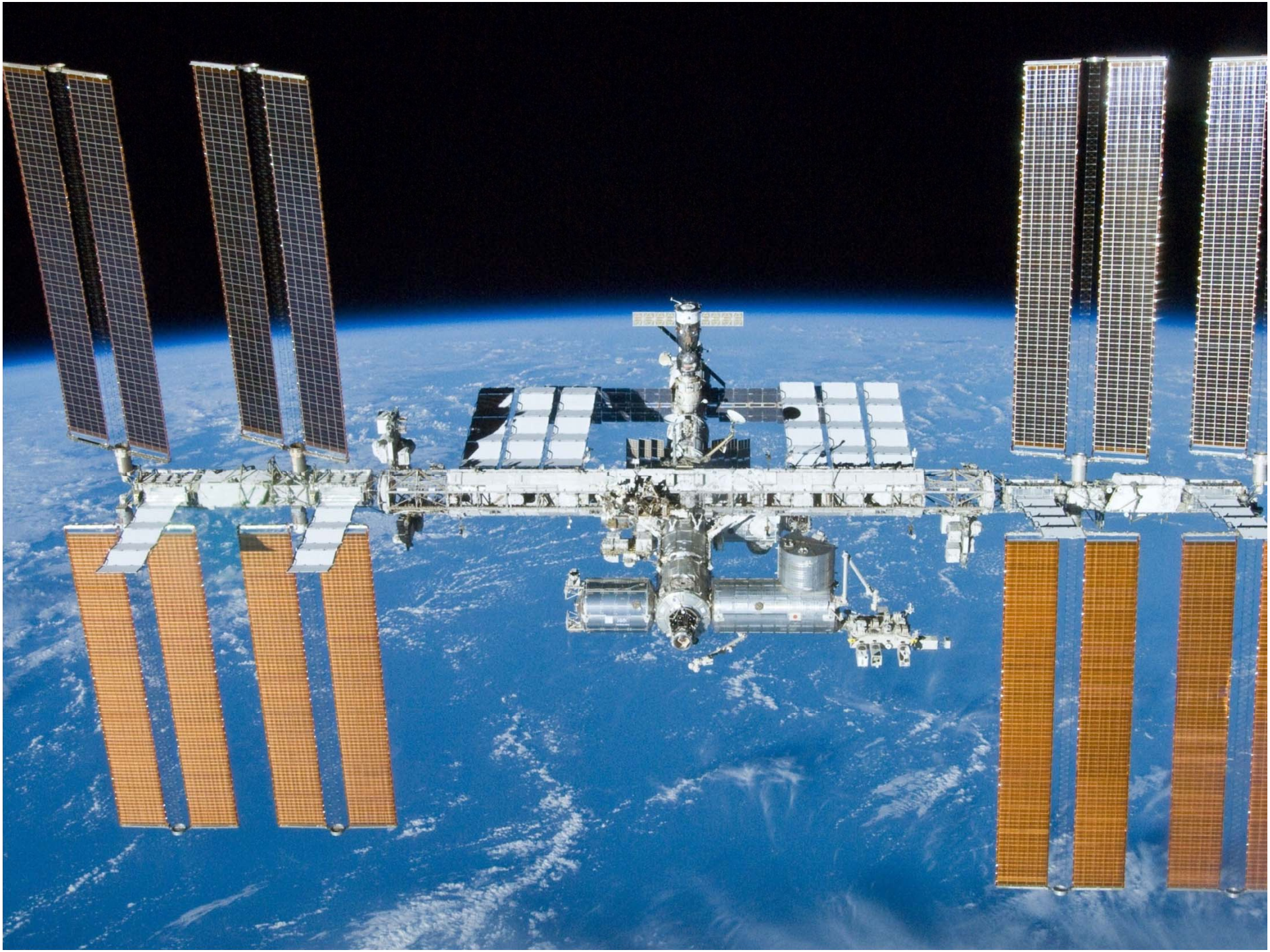
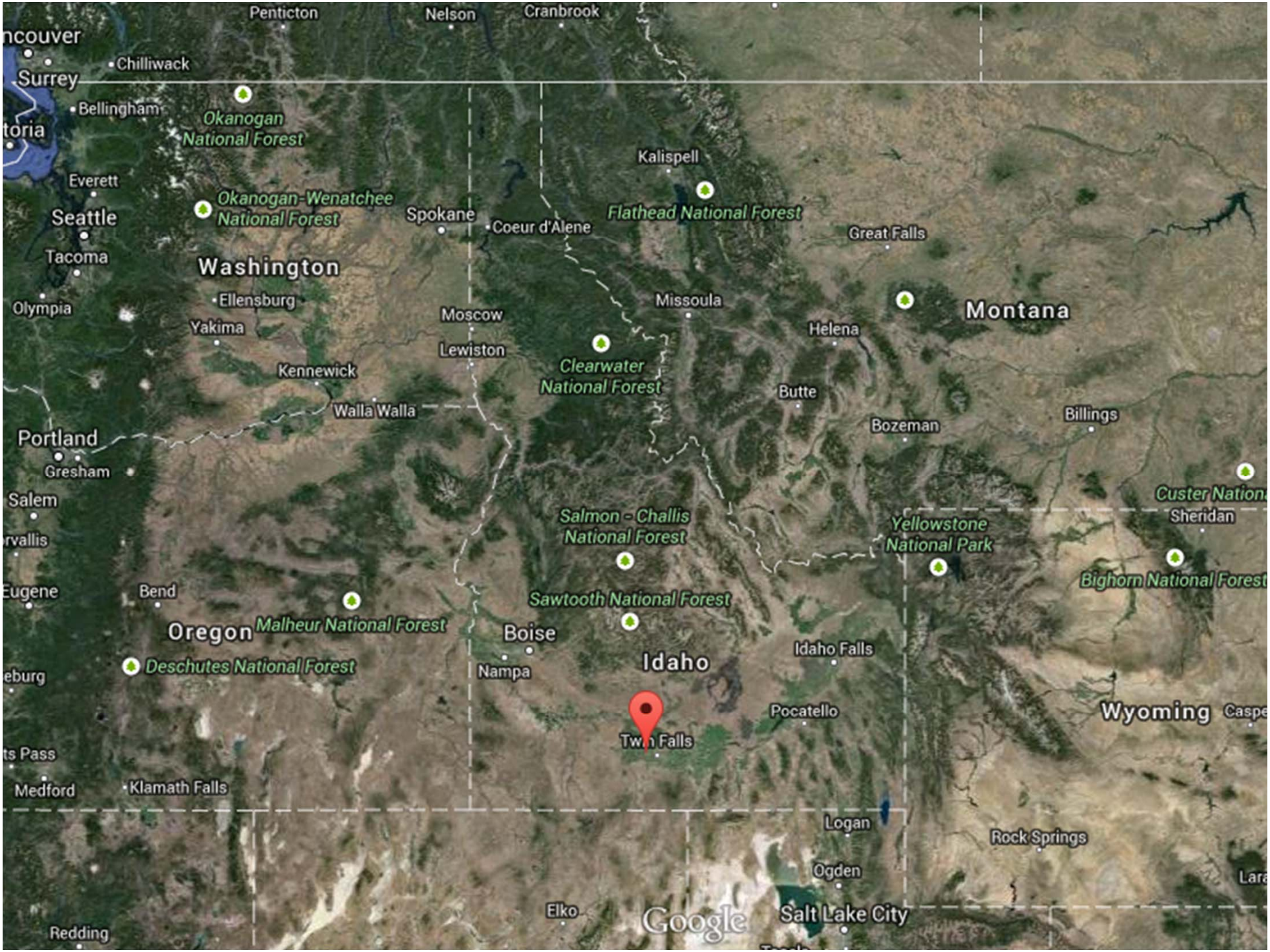
OTHER J-U-B COMPANIES

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Cranbrook
Chilliwack
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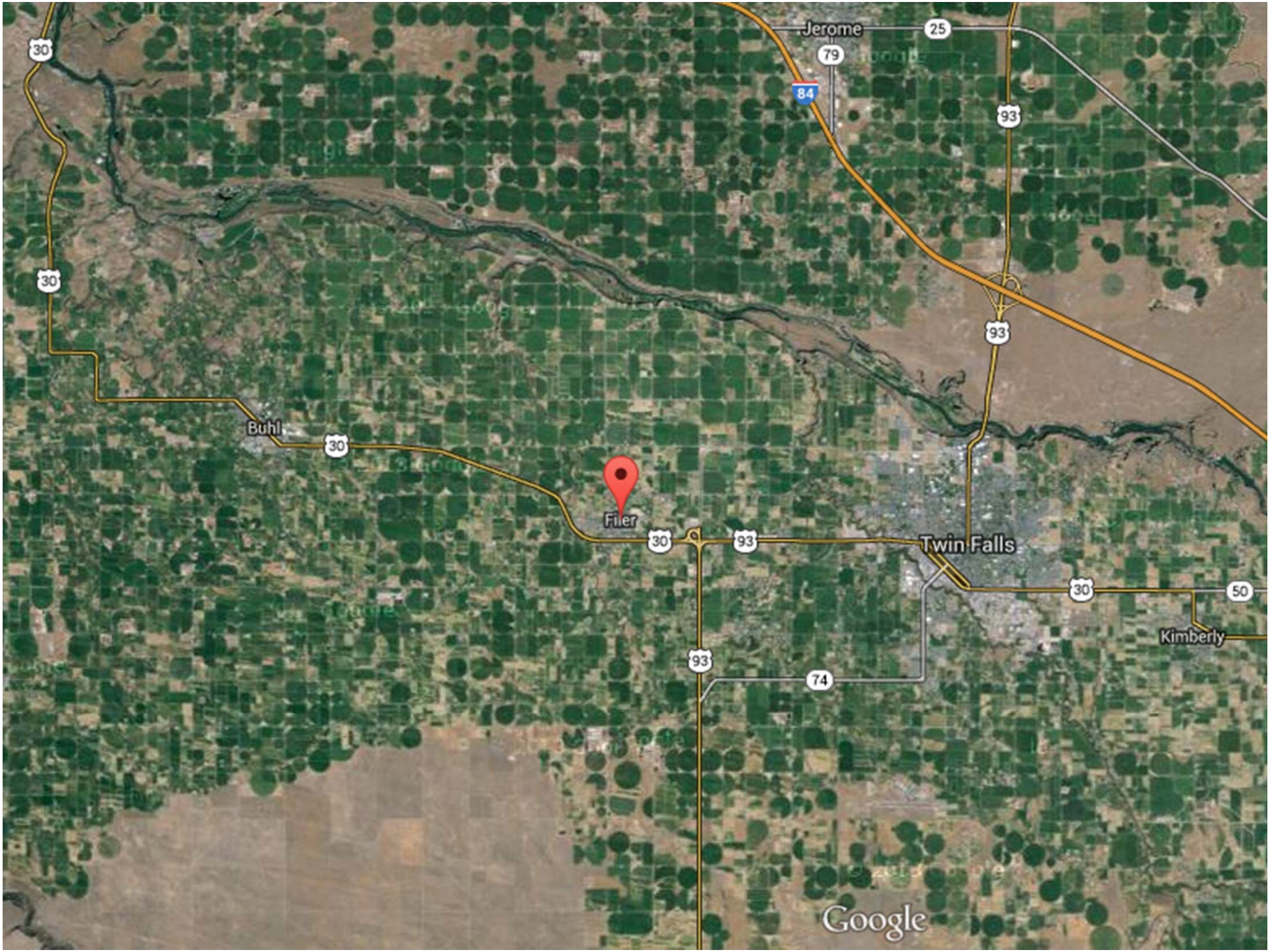
Bellingham
Okanogan National Forest
Kalispell
Everett
Okanogan-Wenatchee National Forest
Flathead National Forest
Seattle
Spokane
Coeur d'Alene
Great Falls
Tacoma
Washington
Olympia
Ellensburg
Missoula
Montana
Moscow
Yakima
Helena
Lewiston
Clearwater National Forest
Kennewick
Butte
Walla Walla
Billings
Portland
Bozeman
Gresham
Salem
Salmon - Challis National Forest
Yellowstone National Park
Sheridan
Bighorn National Forest
Eugene
Bend
Sawtooth National Forest
Malheur National Forest
Oregon
Boise
Idaho Falls
Deschutes National Forest
Nampa
Idaho
Pocatello
Wyoming
Twin Falls
Medford
Klamath Falls
Logan
Rock Springs
Ogden
Elko
Salt Lake City
Redding
Google


Jerome
25
79
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Buhl
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Twin Falls
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Kimberly
74
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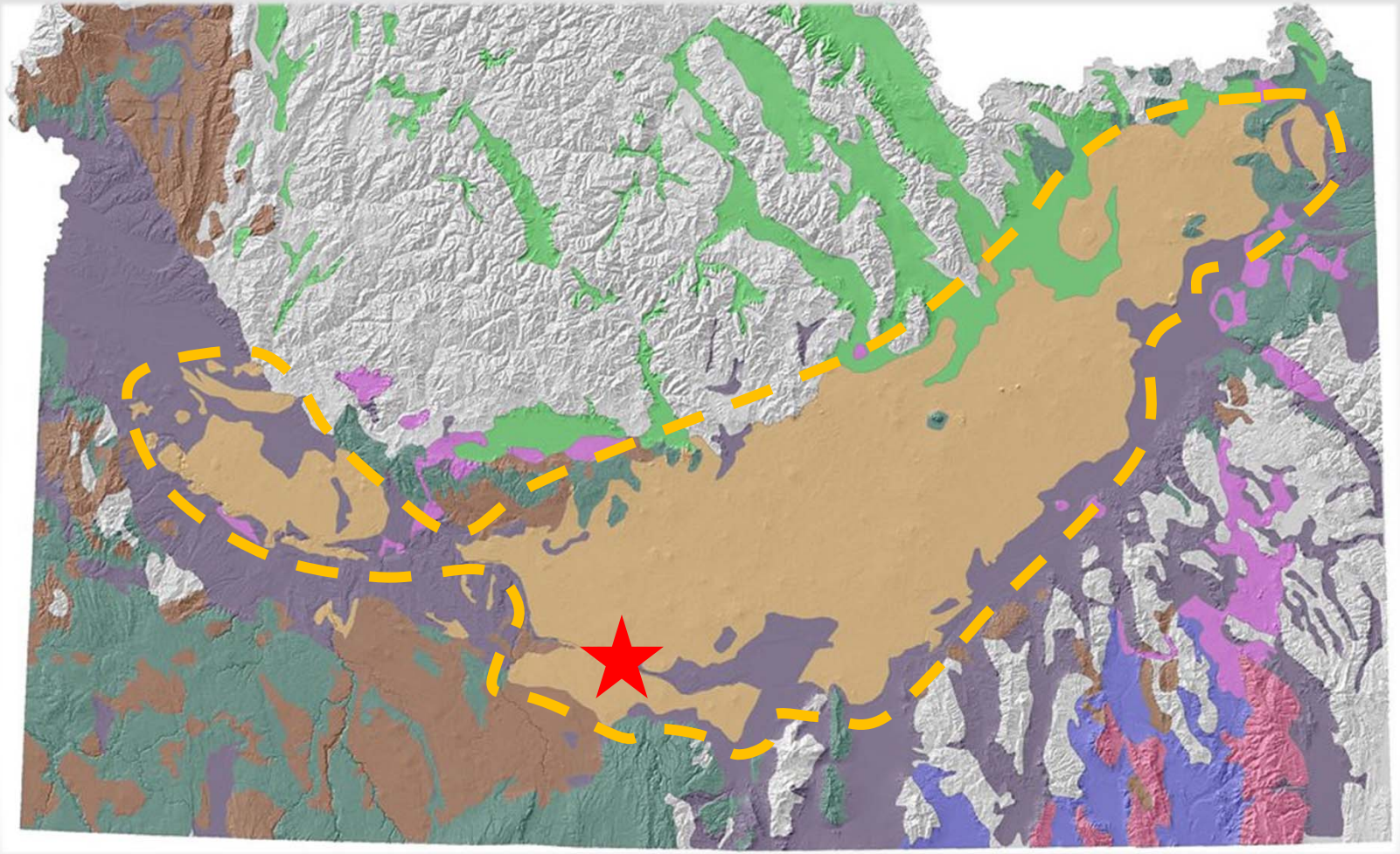
# Why recycled water in Filer, Idaho?

# Farm country…

# Snake River Plane Aquifer



**Hurley, Stayton – May 2014**

# Filer Background

- Capacity of Treatment Lagoons Exceeded
  - Could Not Meet NPDES Permit Requirements
- Slow-Rate Land Application Site Issues
  - Could Not Meet Reuse Permit Requirements
- Moratorium on New Growth

*Construct New Treatment Plant*

# Filer Background

- MBR treatment plant completed construction in 2013
- Currently producing Class B effluent with ability to go to Class A with minor modifications
- Secondary treatment includes Biological Nutrient Removal (phosphorus and nitrogen)
- Existing lagoons converted to effluent storage
- Effluent discharge hasn't changed – winter storage and stream discharge with growing season agricultural irrigation

# The People's Treatment Plant

# The People's Treatment Plant

**Hurley, Stayton – May 2014**

**City of Filer & J-U-B ENGINEERS, Inc.**

# The People's Treatment Plant

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**Hurley, Stayton – May 2014**

# The People's Treatment Plant

**Hurley, Stayton – May 2014**

# Funding

- IDEQ SRF
- USDA RD
- US Army Corps
- Idaho Commerce
- Municipal Bond

# Construction & Operation

# Construction & Operation

**Hurley, Stayton – May 2014**

# Construction & Operation

**Hurley, Stayton – May 2014**

# Construction & Operation

Hurley, Stayton – May 2014

ENGINEERS, Inc.

# Construction & Operation

Hurley, Stayton – May 2014

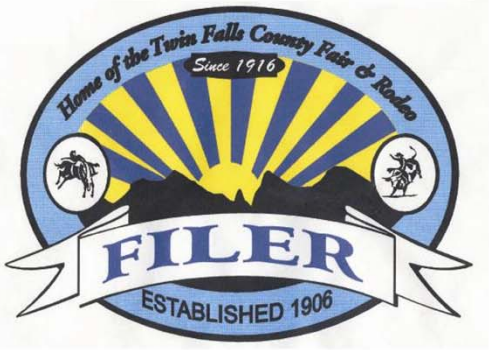
y of Filer & J-U-B ENGINEERS, Inc.

# Construction & Operation

# Why recycled water in Filer, Idaho?

- A solution to overall water resource needs…
- An investment for the future…
  provide the highest sustainability for future generations and the environment…

# QUESTIONS?

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