IDWR GIS Update

Eastern Snake Plain Aquifer
Hydrologic Modeling Technical Advisory Committee
Meeting

Aug. 19, 2008

IDWR GIS Update

- ET processing
- Image purchases
- Sprinkler ver. flood
- Irrigated / non-irrigated
- Update on ET Idaho contract.

Image Purchase - Landsat

A really big basket-full of scenes

- 1986 – 2 paths, 20 scenes
- 1996 – 2 paths, 18 scenes
- 2008 – 4 paths, 5 scenes

Image Dates - 1986

Path 39 Rows 29 and 30
Multiscene, shift South 30%
Landsat 5

Mar 18
Apr 3
Apr 19
Jun 6
Jun 22
Aug 9
Sep 10
Oct 12

Path 40 Rows 29 and 30
Multiscene, shift South 10%
Landsat 5

Mar 25
Apr 10
Apr 26
May 12
May 28
Jun 13
Jun 29
Jul 31
Sep 1
Sep 17
Oct 3
Nov 4

Image Dates - 1996

Path 39 Rows 29 and 30
Multiscene, shift South 30%
Landsat 5

Mar 13
Apr 14
Apr 30
Jun 1
Jun 17
Jul 19
Aug 20
Sep 21
Oct 7

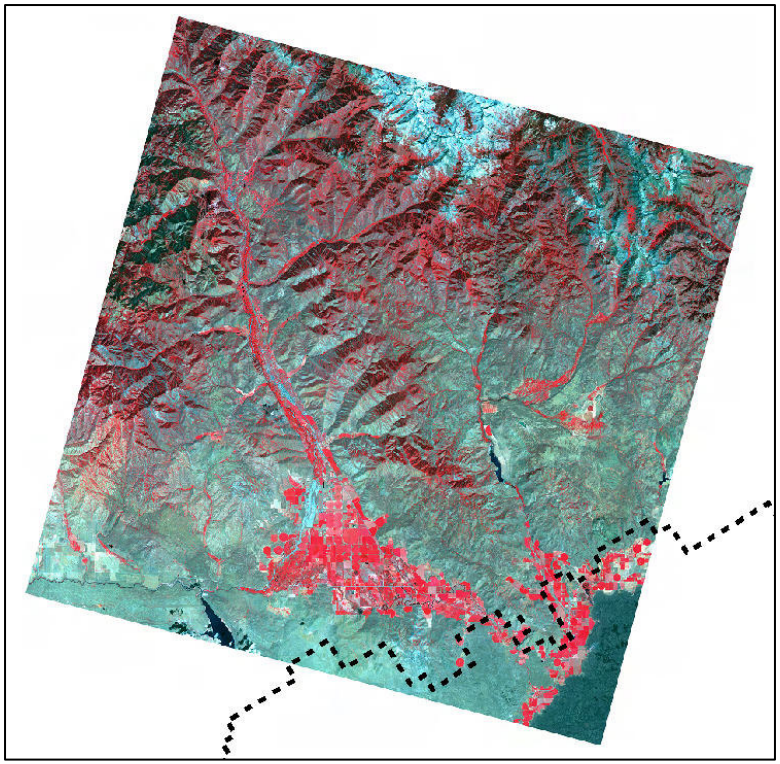
Path 40 Rows 29 and 30
Multiscene, shift South 10%
Landsat 5

Mar 20
Apr 5
May 7
Jun 8
Jul 10
Jul 26
Aug 11
Sep 28
Oct 14

Image Purchase - SPOT

A really small basket of scenes

7/23/2008



Sprinkler vs. Flood

Rules

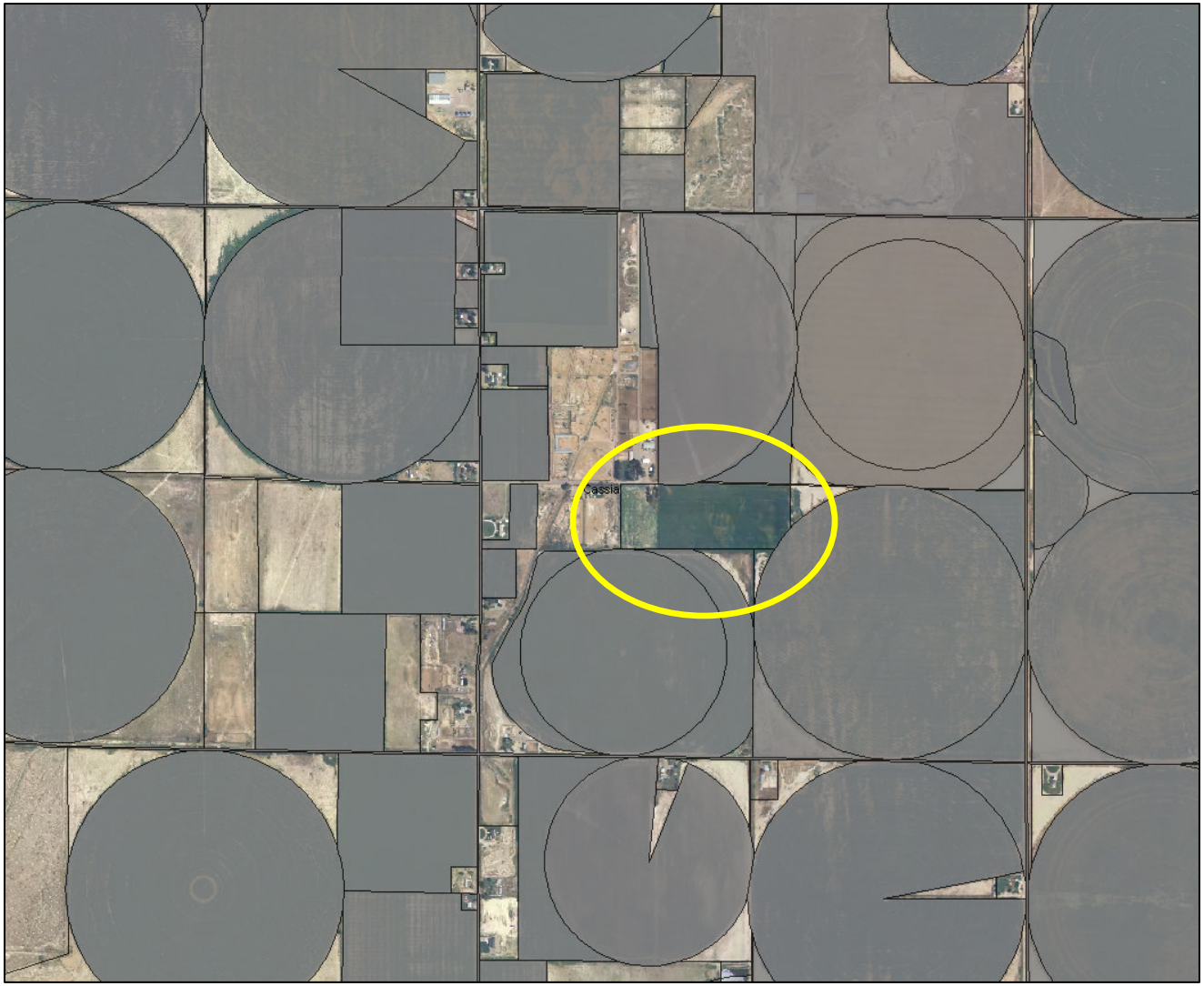
1. Start with all ‘flood’
2. All pivots are sprinkler
3. All pivot corners are sprinkler
4. Once sprinkler, always sprinkler
5. Change flood to sprinkler on clear evidence
6. Sometimes use association and context

Method

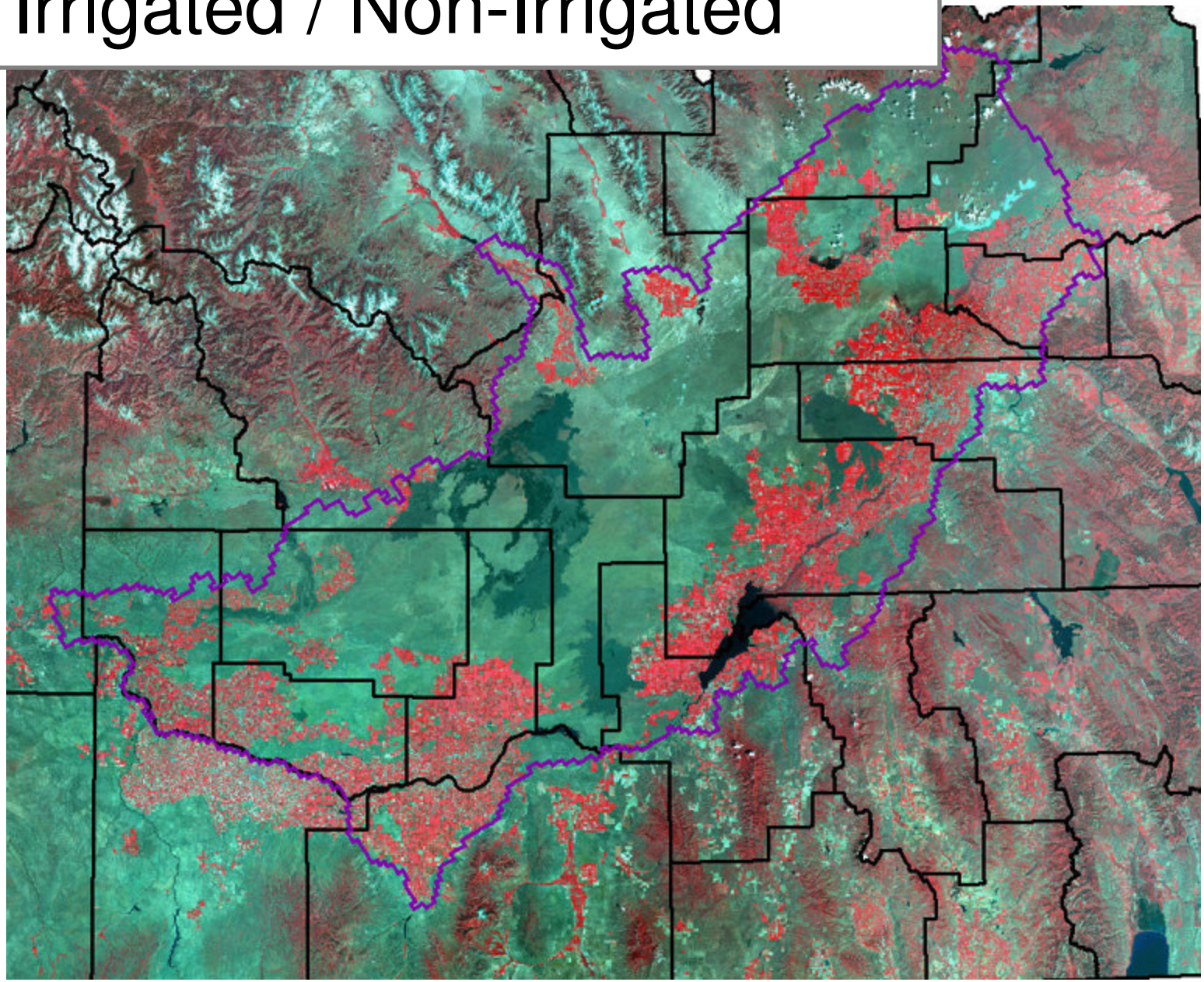
1. Use multiple dates and multiple years
2. Tag field, move to next year

Sprinkler / Flood

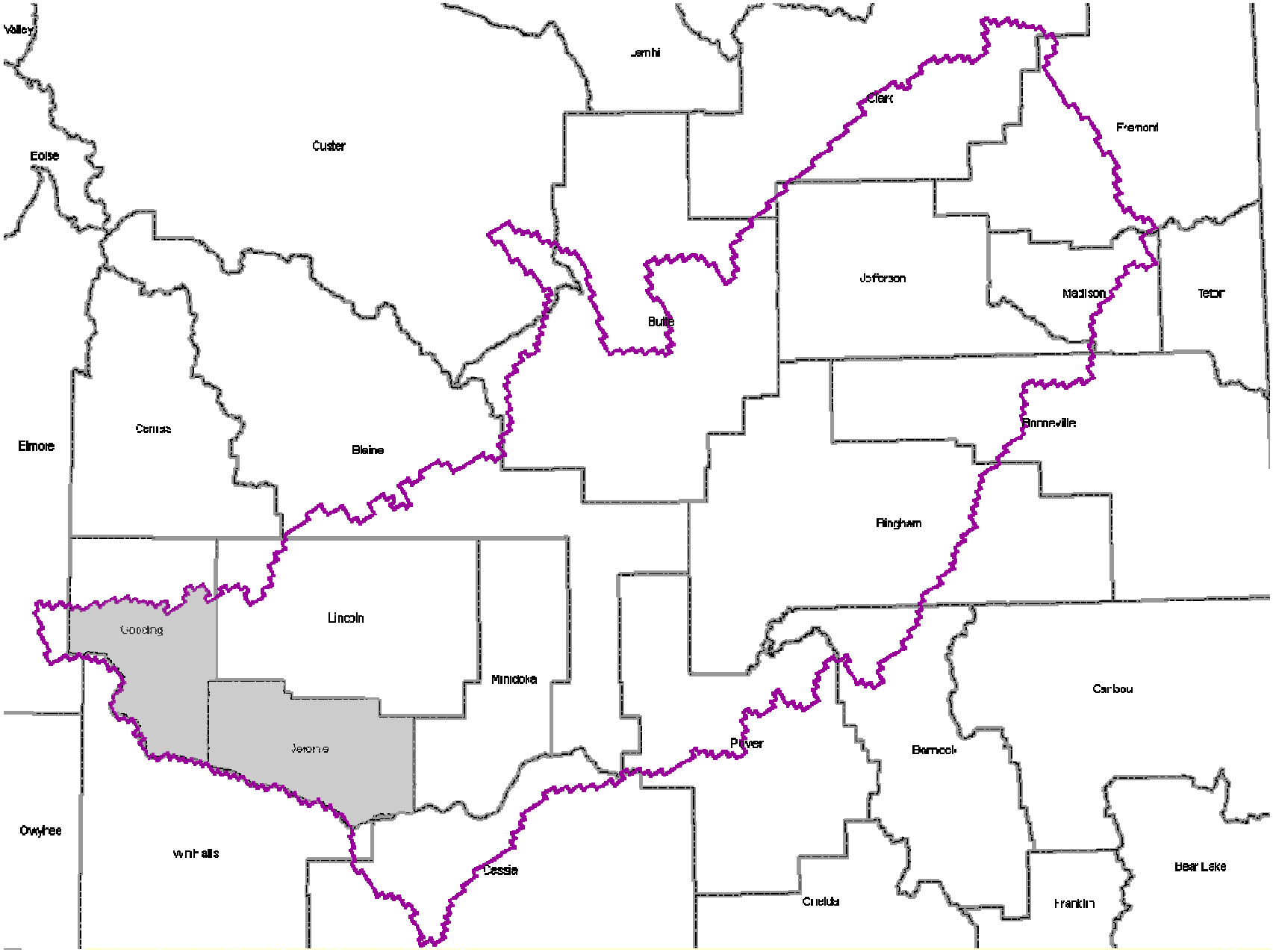
Association and Context



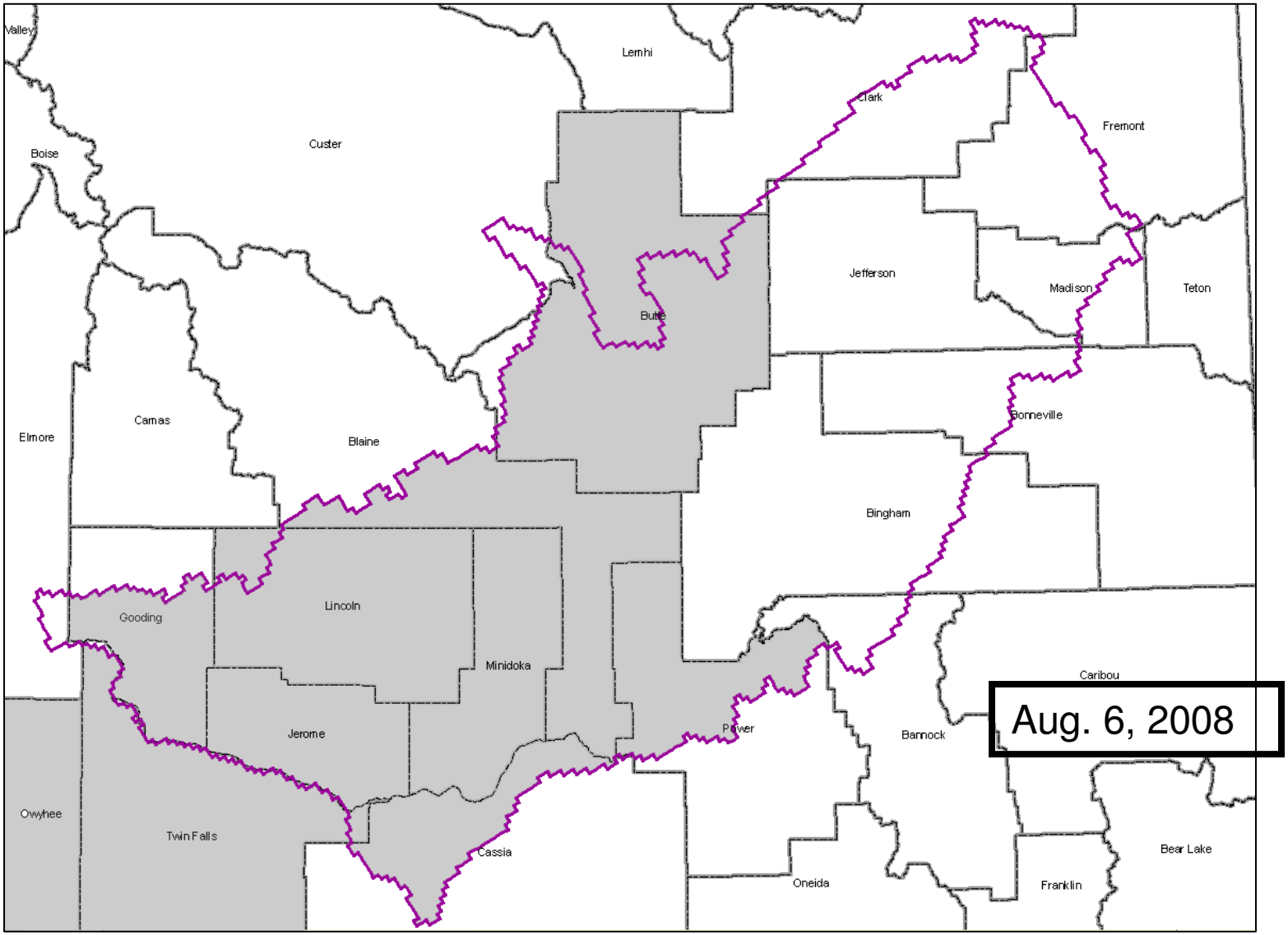
Irrigated / Non-Irrigated



Counties Finished - Previous Report

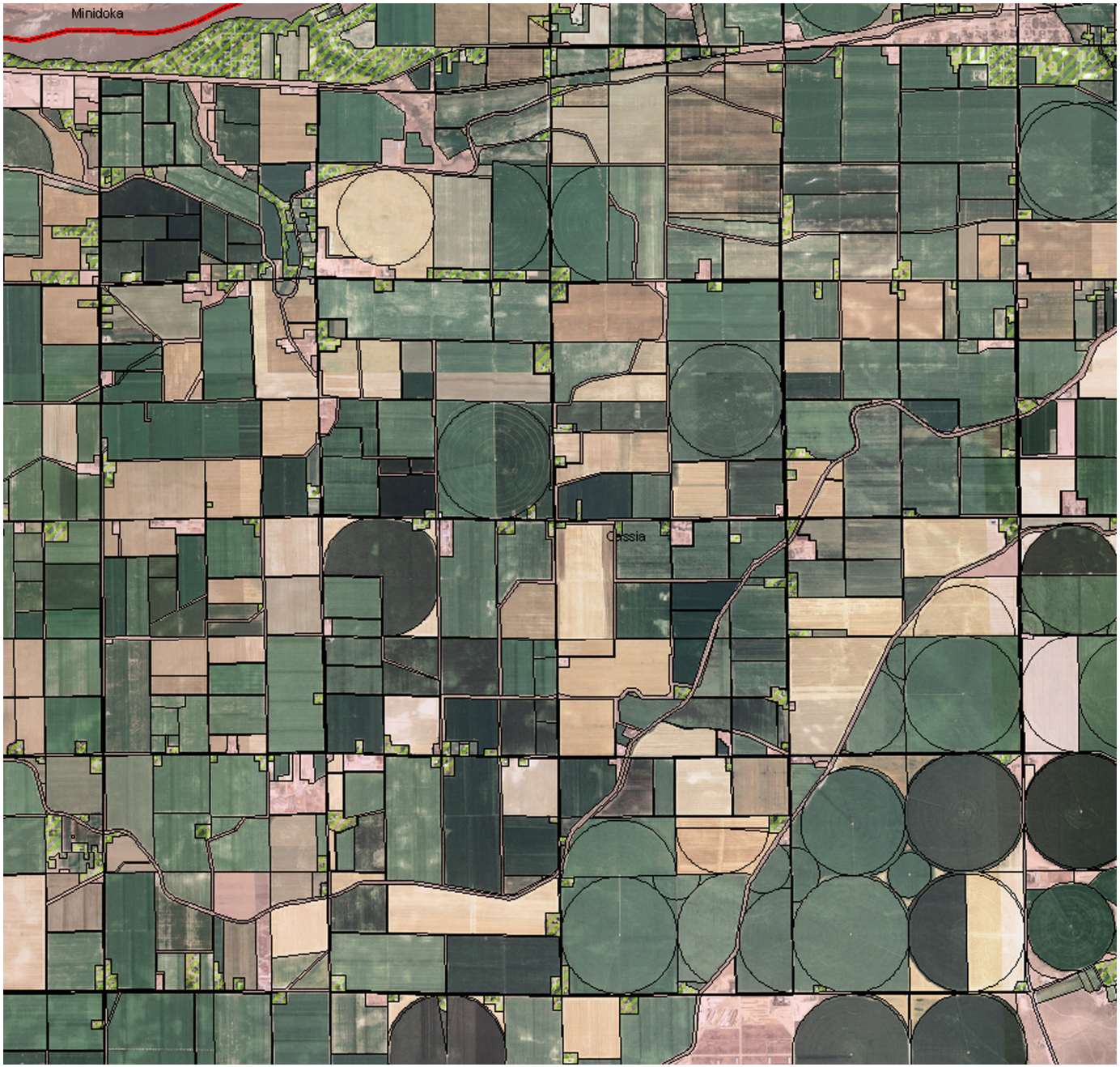


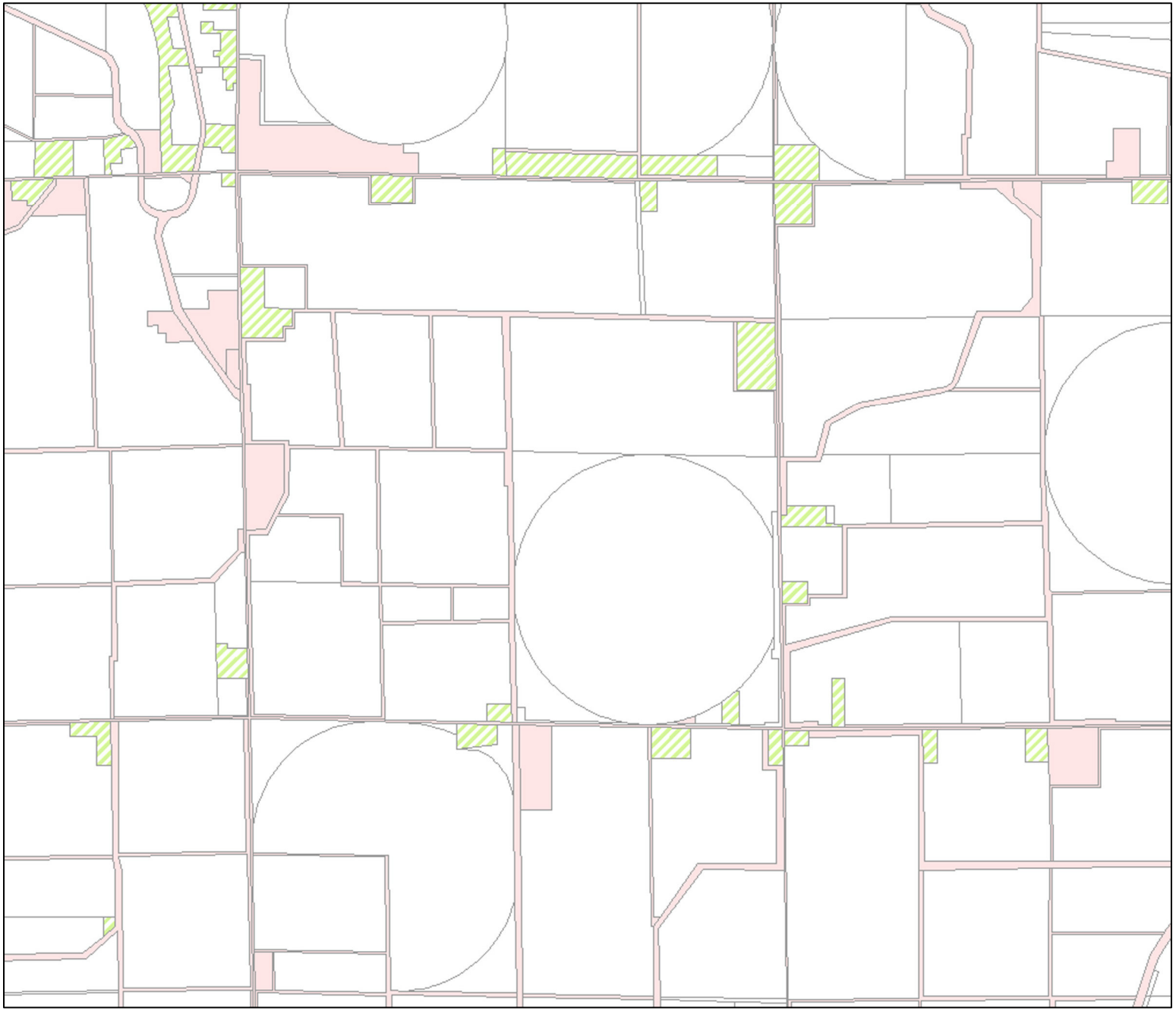
Irrigated / Non-Irrigated Completed Counties



June 20, 2006 Cassia County

Minidoka
Cassia


Minidoka
Cassia



ET Idaho Contract

Update ETIdaho consumptive use calculations

Extend CU thru December 2007

All 128 weather stations

End date: 6/30/2009

Contractor: Rick Allen

Contractor doing field work

Questions?