WATER CONSERVATION EFFORTS IN NW KANSAS

SD-6 LEMA

DISTRICT-WIDE LEMA

Shannon Kenyon, Manager GMD 4

LEMA: Local Enhanced Management Area

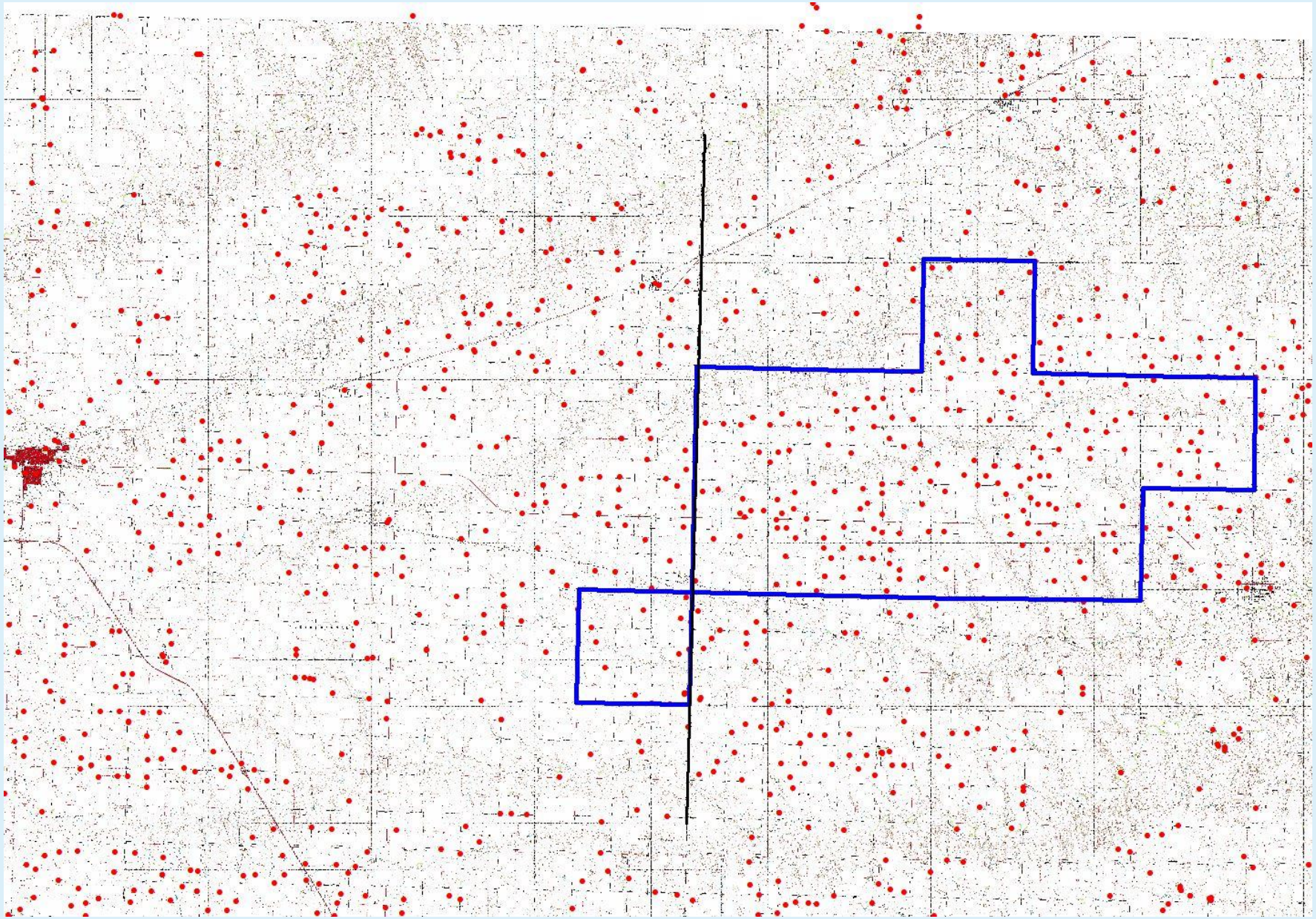
Created in 2012

K.S.A. 82-1041

SD-6 LEMA 2013-2017; 2018-2022

- 99 SECTIONS
- 193 WELLS
  - 183 IRR
  - 7 STK
  - 2 MULTI-USE
  - 1 REC
- 56,481 AF APPROPRIATED
- AVERAGED 27,800 AF PUMPED 2008 – 2012 (49.2 % OF APPROPRIATED)
- AVERAGED 18,455 AF PUMPED 2013 – 2017 (32.7 % OF APPROPRIATED)

SD-6 AREA

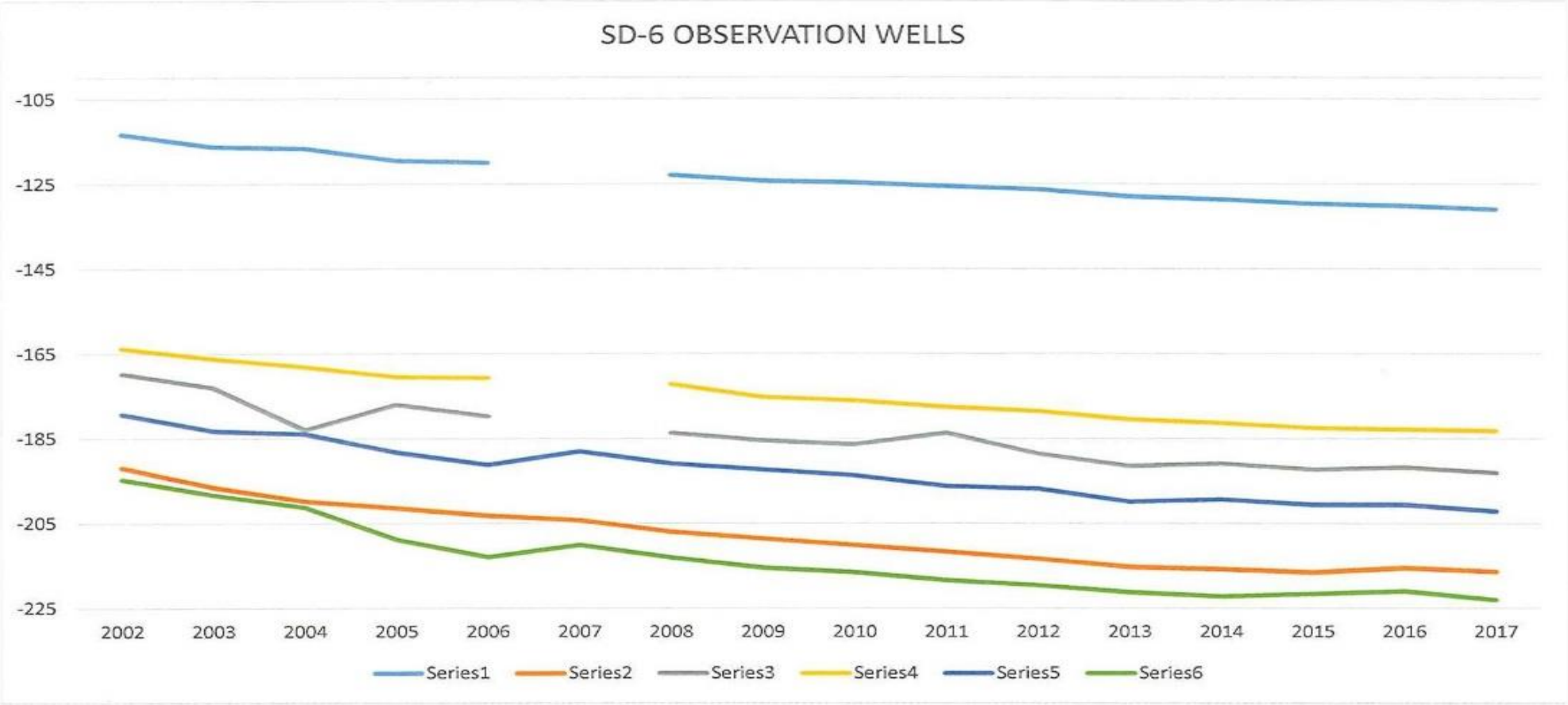


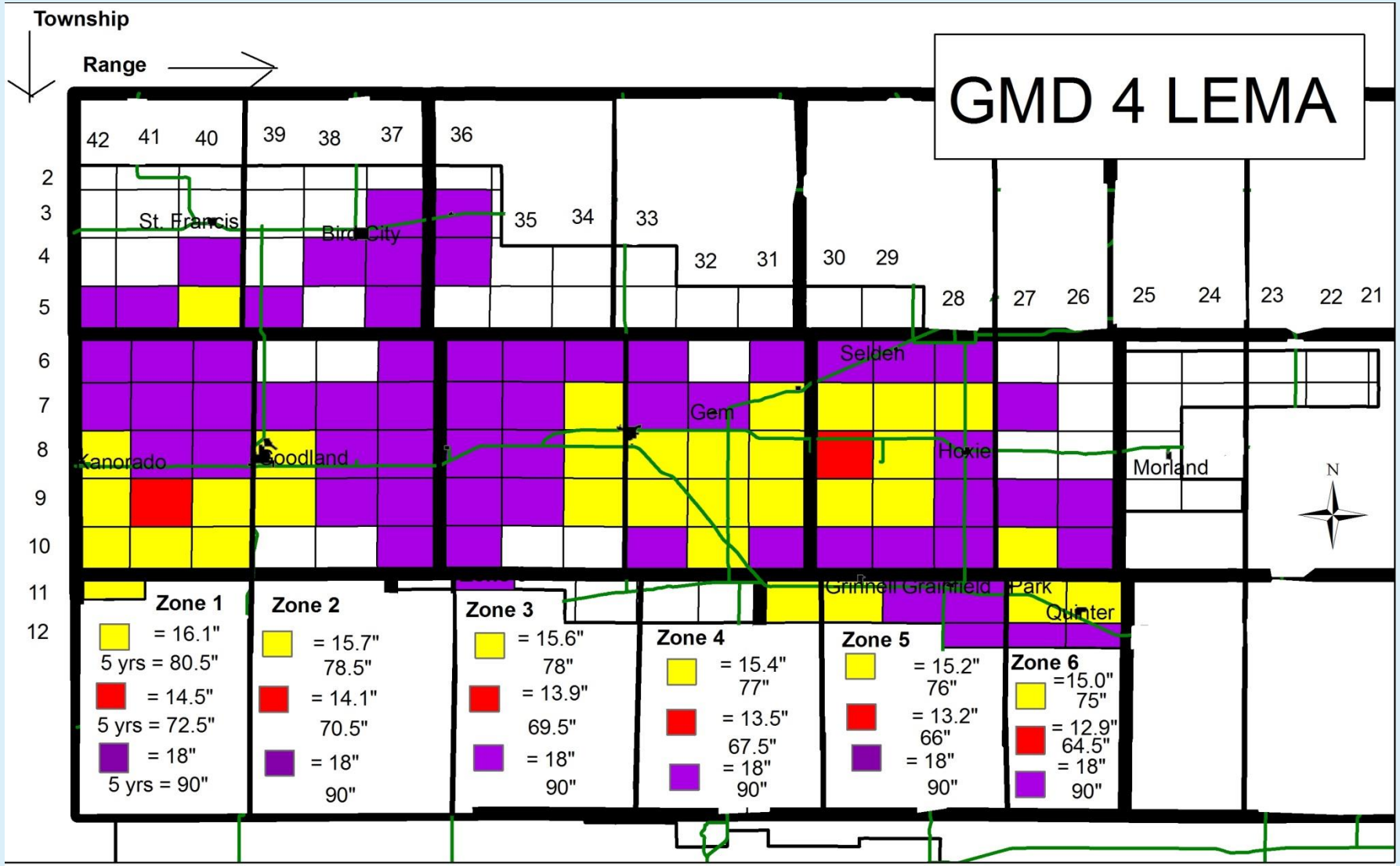
SD6 LEMA Components

- 55” over 5 years per eligible acre for IRR
- 12 gallons/head/day for STK
- Cannot exceed annual authorized quantity
- 0 – 35% individual water right reduction
- Goal of approximate 20% regional reduction compared to previous 5 years
- Goal of 114,000 AF 2013 – 2017
- Approximately 89,200 AF pumped
- Umbrella accounts
- Transfers

SD-6 IRRIGATION USAGE 2013 - 2017

SD-6 WATER TABLE DEPTHS





Townships with 2%+ Average Annual Decline in 2004-2015

Townships with 1-2% Average Annual Decline in 2004-2015

Townships with 0.5 - 1% Average Annual Decline in 2004-2015 (18 inch allocation; 5 years = 90 inches)

Prepared by Shannon Kenyon GMD 4

GMD 4 LEMA

- 2018 First year of implementation
- Action driven by GMD 4 Board of Directors
- Legal Challenges
  - District Court found it constitutional
  - May continue

Questions??

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