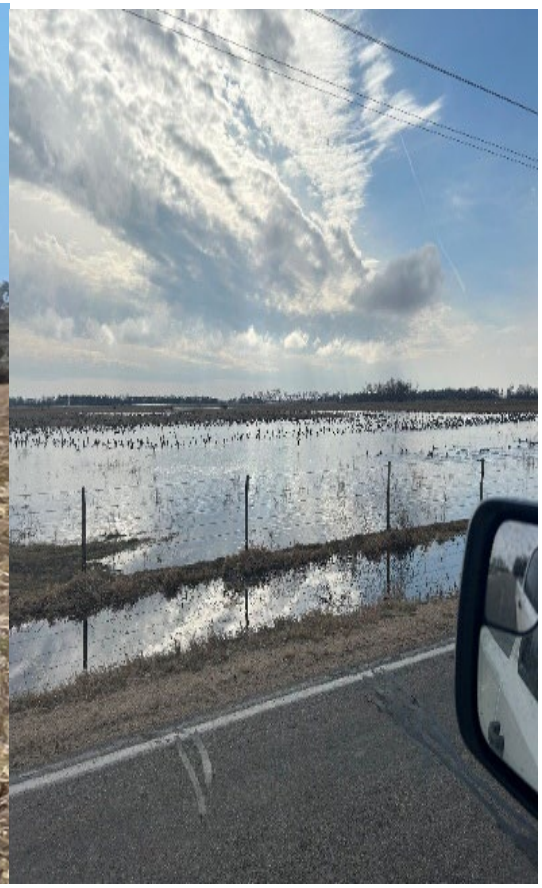
**Lower Niobrara Natural Resources District**
410 Walnut Street, P.O. Box 350 Phone: (402) 775-2343
Butte, NE 68722-0350 Fax: (402) 775-2334

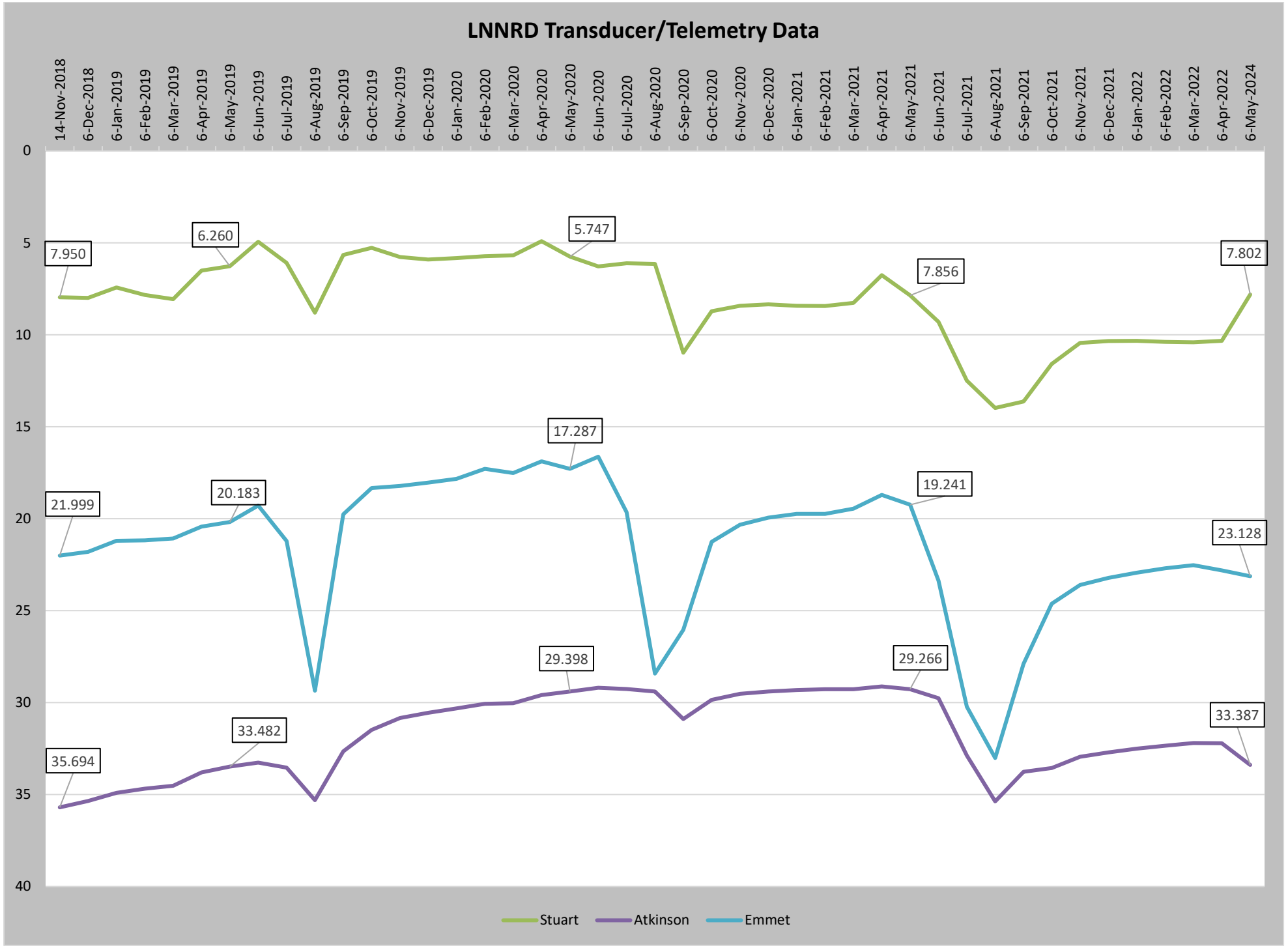
# 2024 Spring Static Water Level Report



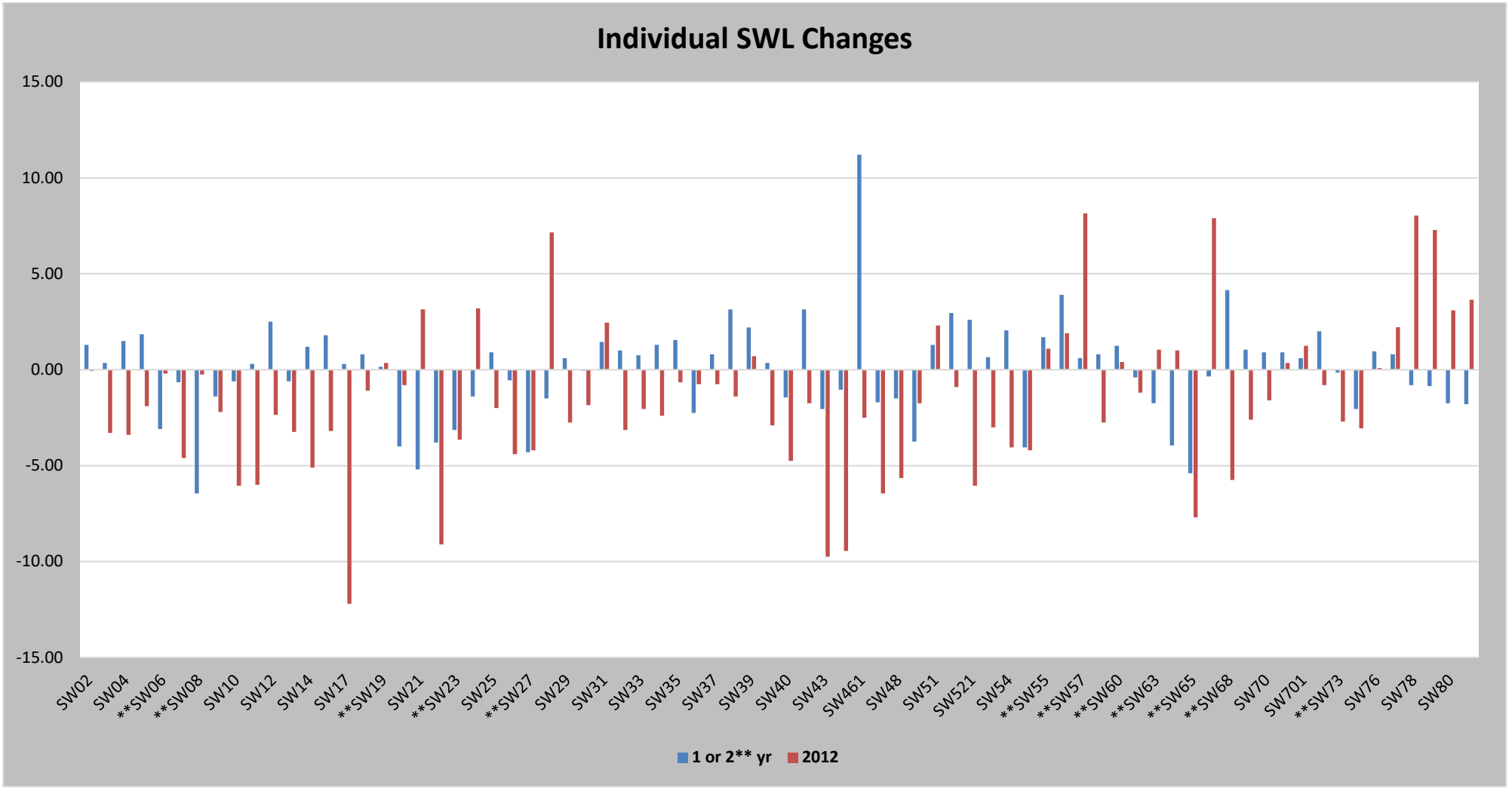


**Gary Richardson**
**Water Resources Coordinator**

# LNNRD Transducer Data




Glazer
14-Nov-2018
20-Dec-2018
20-Jan-2019
20-Feb-2019
20-Mar-2019
20-Apr-2019
20-May-2019
20-Jun-2019
20-Jul-2019
20-Aug-2019
20-Sep-2019
20-Oct-2019
20-Nov-2019
20-Dec-2019
20-Jan-2020
20-Feb-2020
20-Mar-2020
20-Apr-2020
20-May-2020
20-Jun-2020
20-Jul-2020
20-Aug-2020
20-Sep-2020
20-Oct-2020
20-Nov-2020
20-Dec-2020
20-Jan-2021
20-Feb-2021
20-Mar-2021
20-Apr-2021
20-May-2021
20-Jun-2021
20-Jul-2021
20-Aug-2021
20-Sep-2021
20-Oct-2021
20-Nov-2021
20-Dec-2021
20-Jan-2022
20-Feb-2022
20-Mar-2022
20-Apr-2022
25-Apr-2022
20-May-2024
76
78
80
82
84
86
88
90
92
82.708
81.833
81.411
83.108
85.806




The blue line for each well indicates the change from 2022** or 2023.

The red line for each well indicates the change from 2012.

Well changes from 2022**and 2023

42 wells increased SWL

34 wells decreased SWL

0 wells had no change in SWL

Range of SWL change = -5.40' to +4.15'

Average change in SWL = -0.19’

Wells SW41 and SW01 were not included

**Well changes from 2012**

**22** wells increased SWL

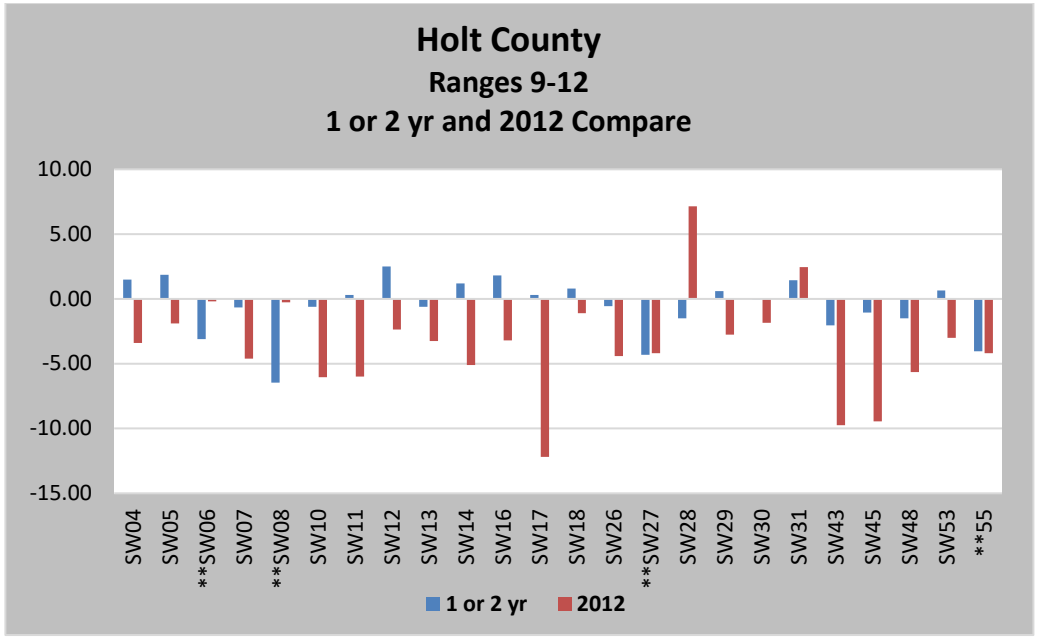
**54** wells decreased SWL

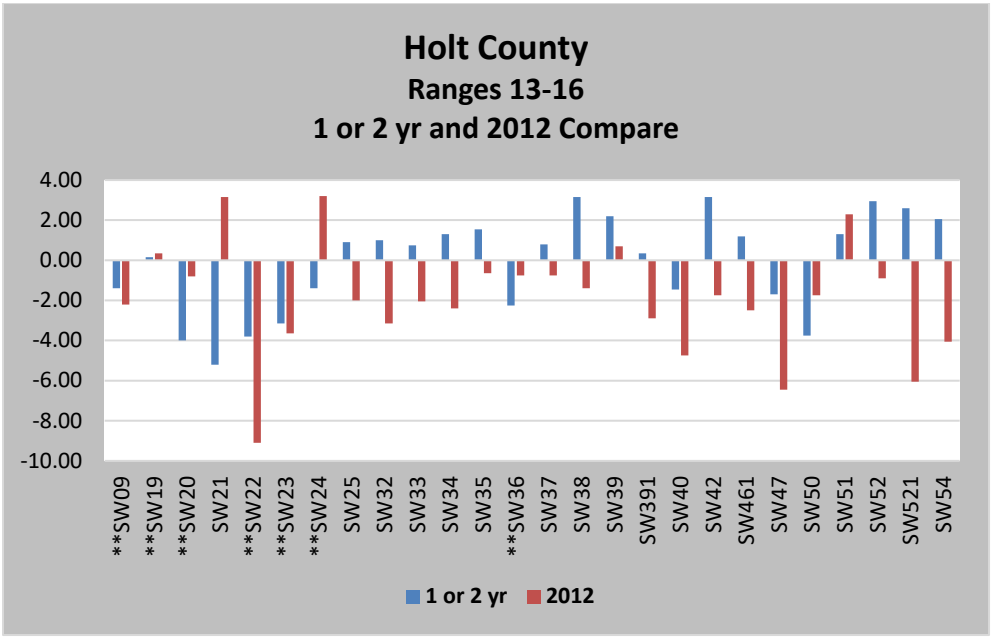
**0** wells had no change in SWL

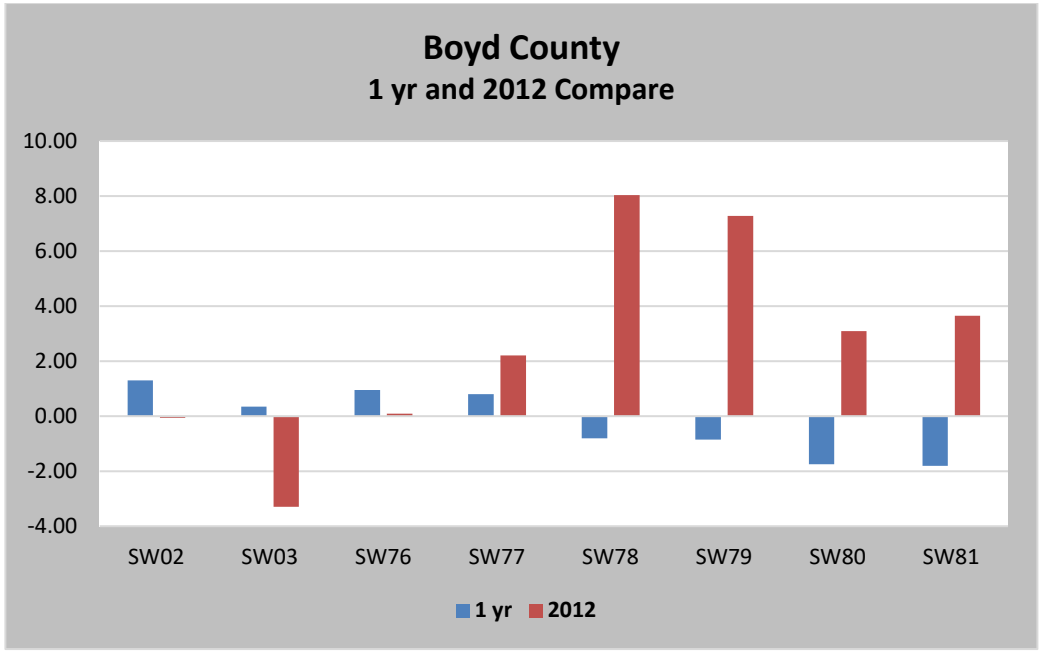
Range of SWL change = **-12.2' to +8.15'**

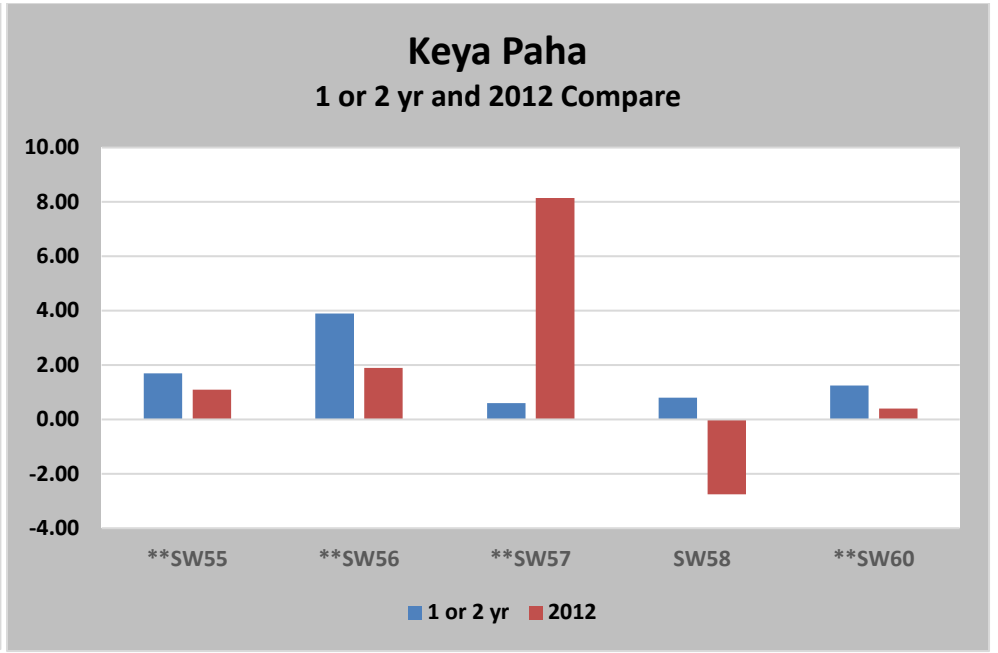
Average change in SWL = **-1.57’**

# LNNRD by County
# 1 or 2 year and 2012 Compare

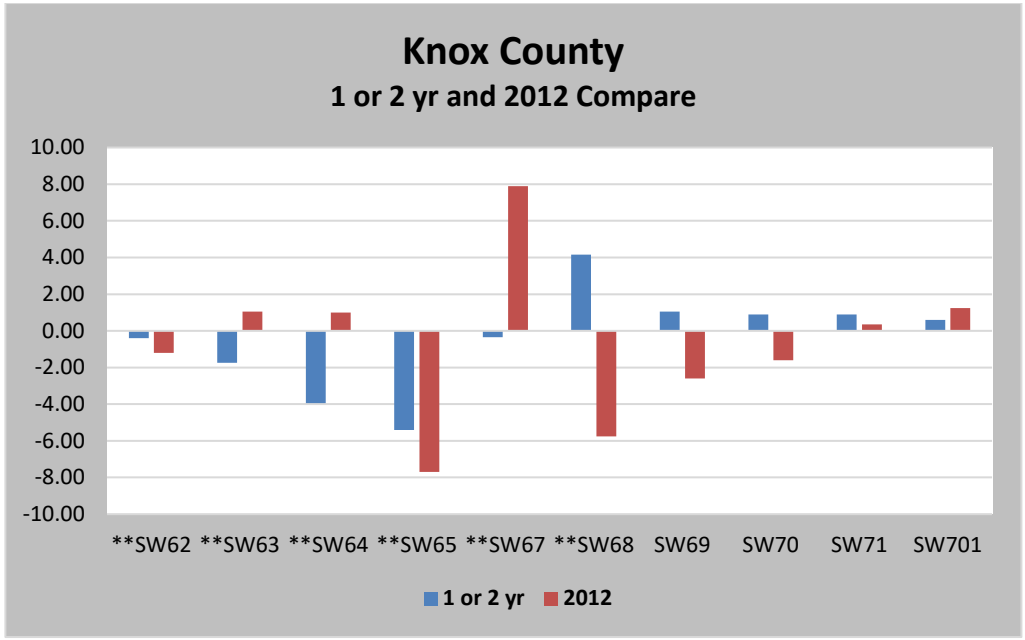


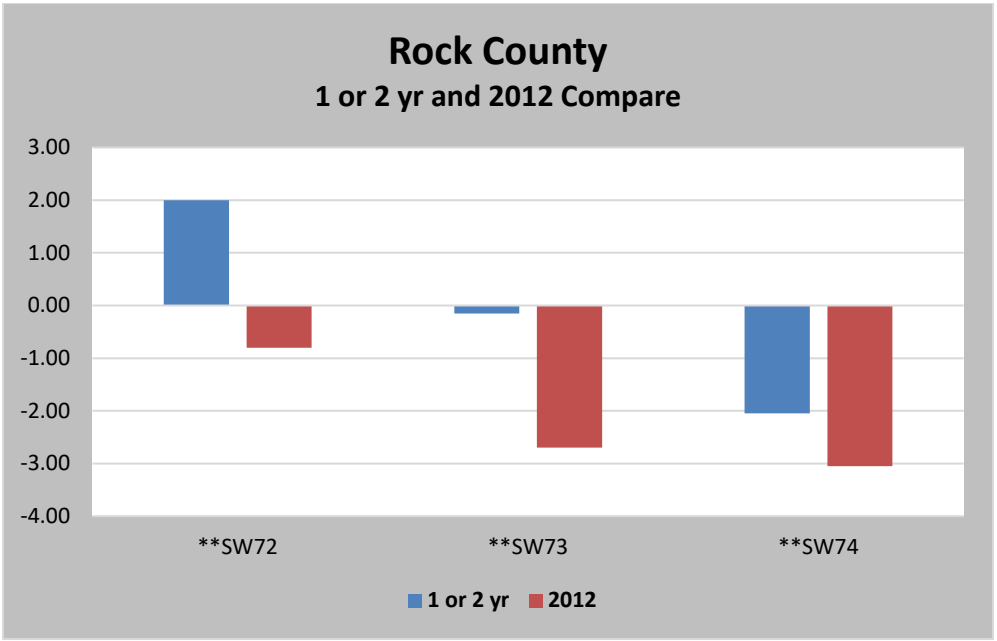



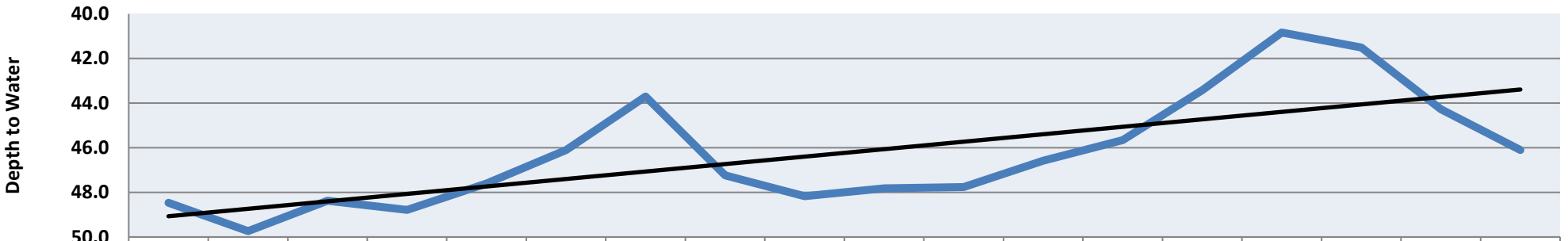



# LNNRD by County
# 2 year and 2012 Compare



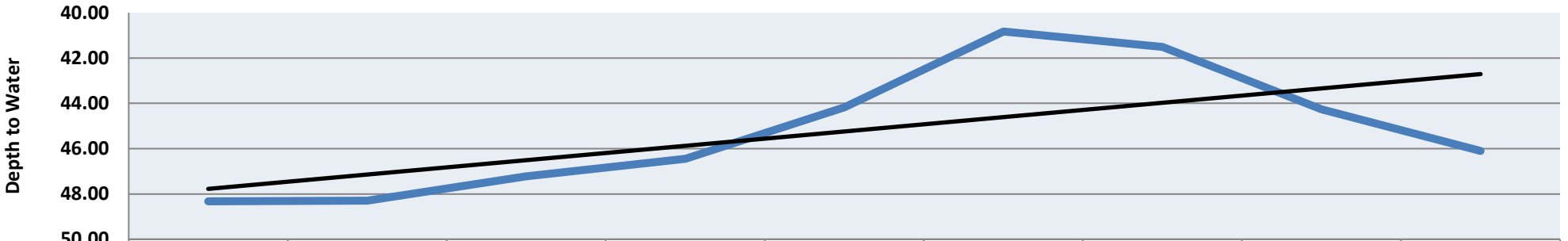



## LNNRD Spring SWL Averages Since 2006



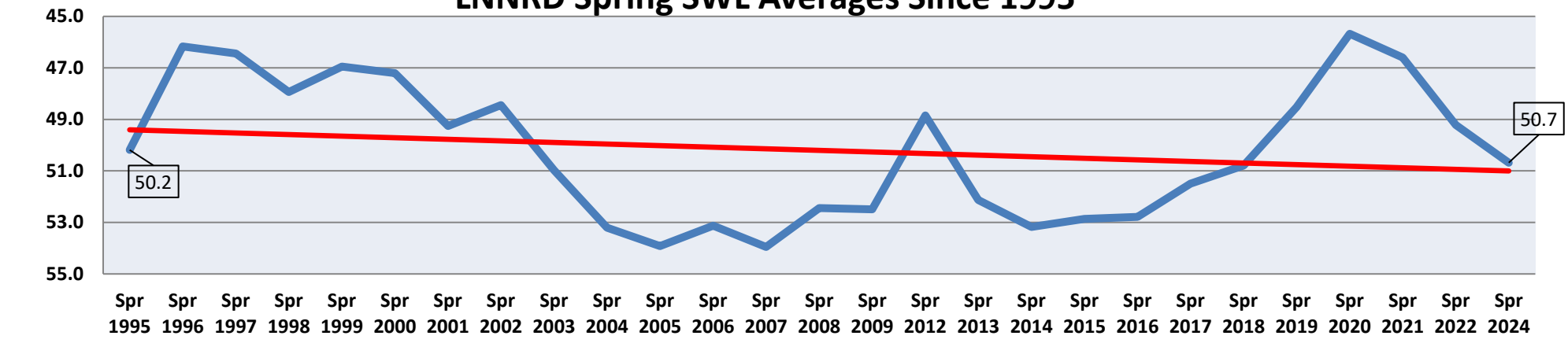

| | Spr 2006 | Spr 2007 | Spr 2008 | Spr 2009 | Spr 2010 | Spr 2011 | Spr 2012 | Spr 2013 | Spr 2014 | Spr 2015 | Spr 2016 | Spr 2017 | Spr 2018 | Spr 2019 | Spr 2020 | Spr 2021 | Spr 2022 | Spr 2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Series1 | 48.5 | 49.7 | 48.4 | 48.8 | 47.6 | 46.1 | 43.7 | 47.2 | 48.2 | 47.8 | 47.8 | 46.6 | 45.7 | 43.4 | 40.8 | 41.5 | 44.3 | 46.1 |

## LNNRD Spring SWL Averages Since 2015

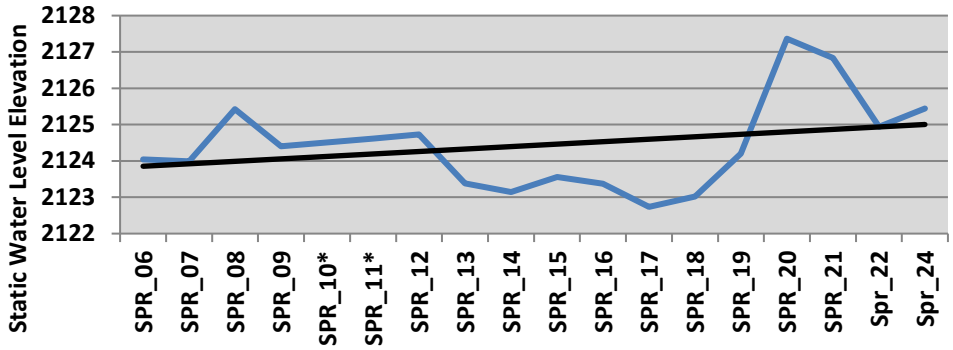



| | Spr 2015 | Spr 2016 | Spr 2017 | Spr 2018 | Spr 2019 | Spr 2020 | Spr 2021 | Spr 2022 | Spr 2024 |
|---|---|---|---|---|---|---|---|---|---|
| Series1 | 48.32 | 48.29 | 47.22 | 46.45 | 44.18 | 40.83 | 41.51 | 44.27 | 46.10 |

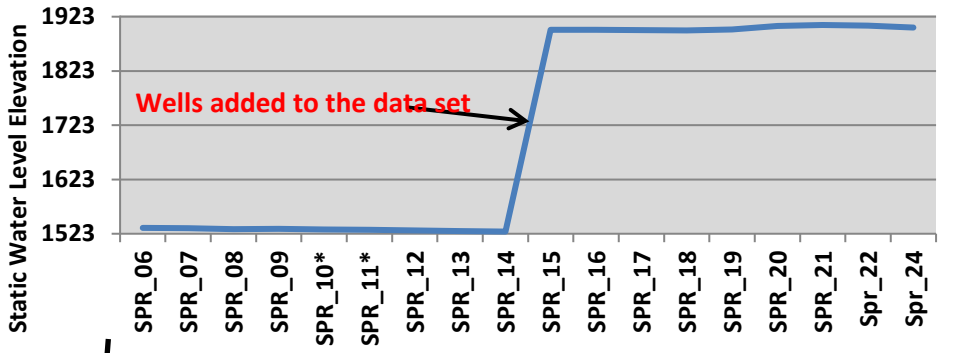
## LNNRD Spring SWL Averages Since 1995

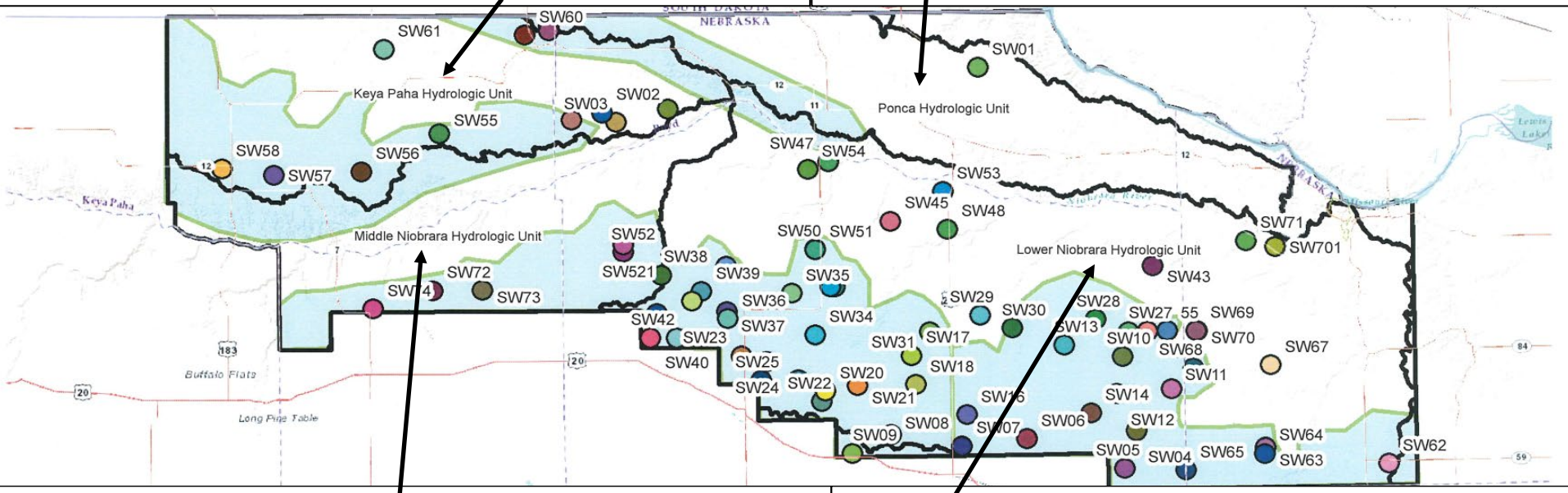


## Keya Paha Hydrologic Unit

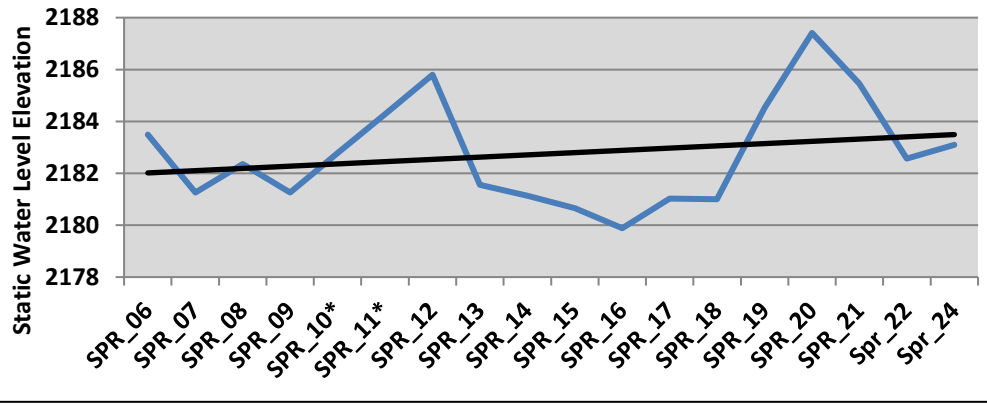



## Ponca Hydrologic Unit

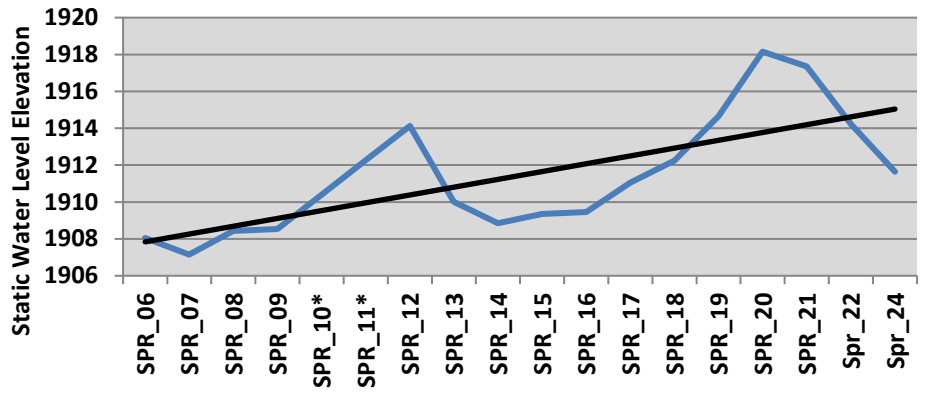



## Middle Niobrara Hydrologic Unit




## Lower Niobrara Hydrologic Unit



# LNNRD Spring Static Water Levels by County

