An aerial photograph of a rural and semi-urban area, possibly in the Midwest, showing a mix of green fields, brown agricultural plots, and some buildings. A prominent yellow line is drawn across the map, following a path that likely represents a watershed boundary or a specific study area. The line starts on the left side, moves north, then east, then south, and finally east again towards the right side of the image.

Spring 2024 Ground Water Conditions

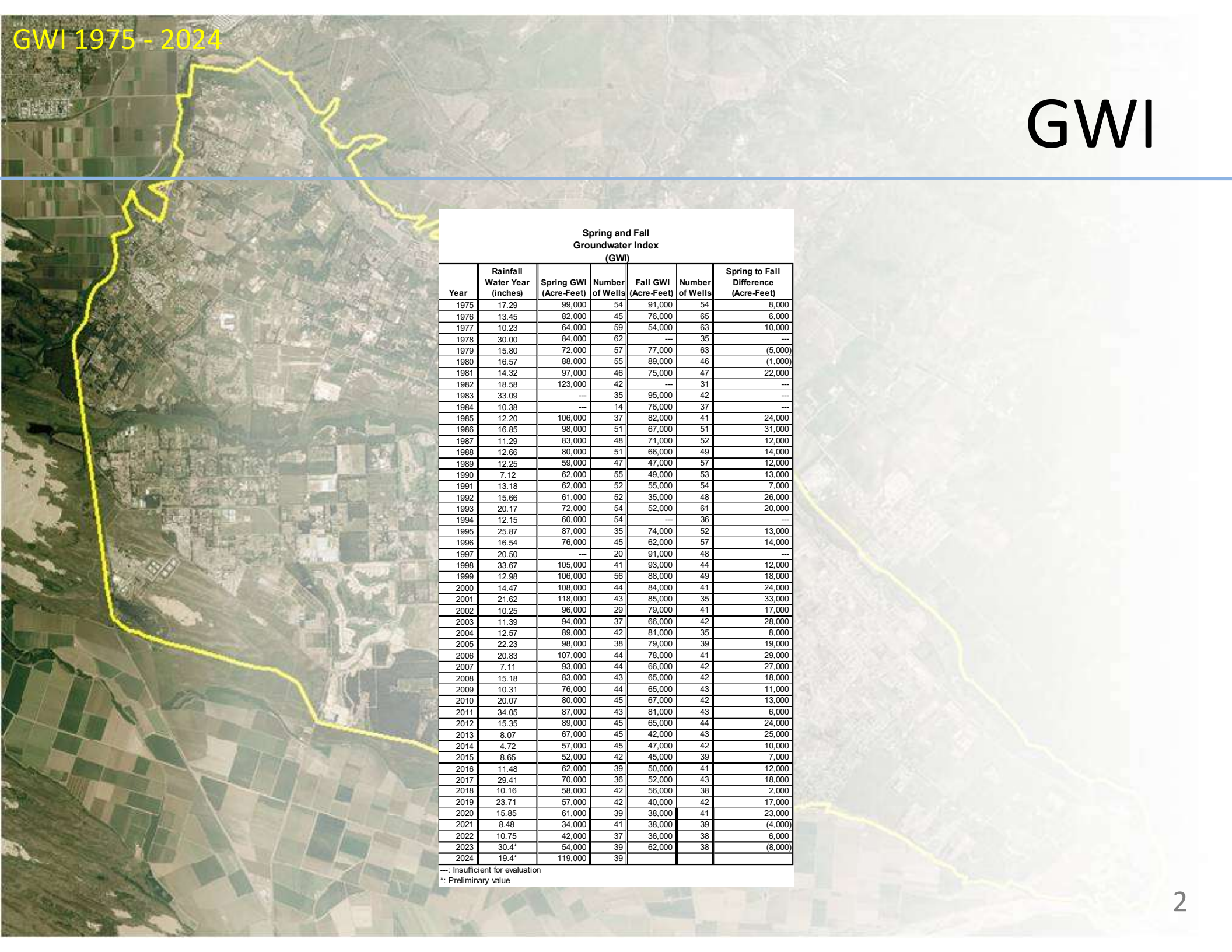
Prepared by
Newton Geo-Hydrology Consulting Services
June 12, 2024

An aerial photograph of a region, likely a watershed or a specific administrative area, outlined with a thick yellow line. The landscape is a mix of agricultural fields, some green and some brown, and a central urban or developed area. The text 'OUTLINE' is positioned in the top right corner of the image.

OUTLINE

Ground Water Index – Spring 2024
Key Wells Index 2024
Rainfall

GWI



Spring and Fall Groundwater Index (GWI)

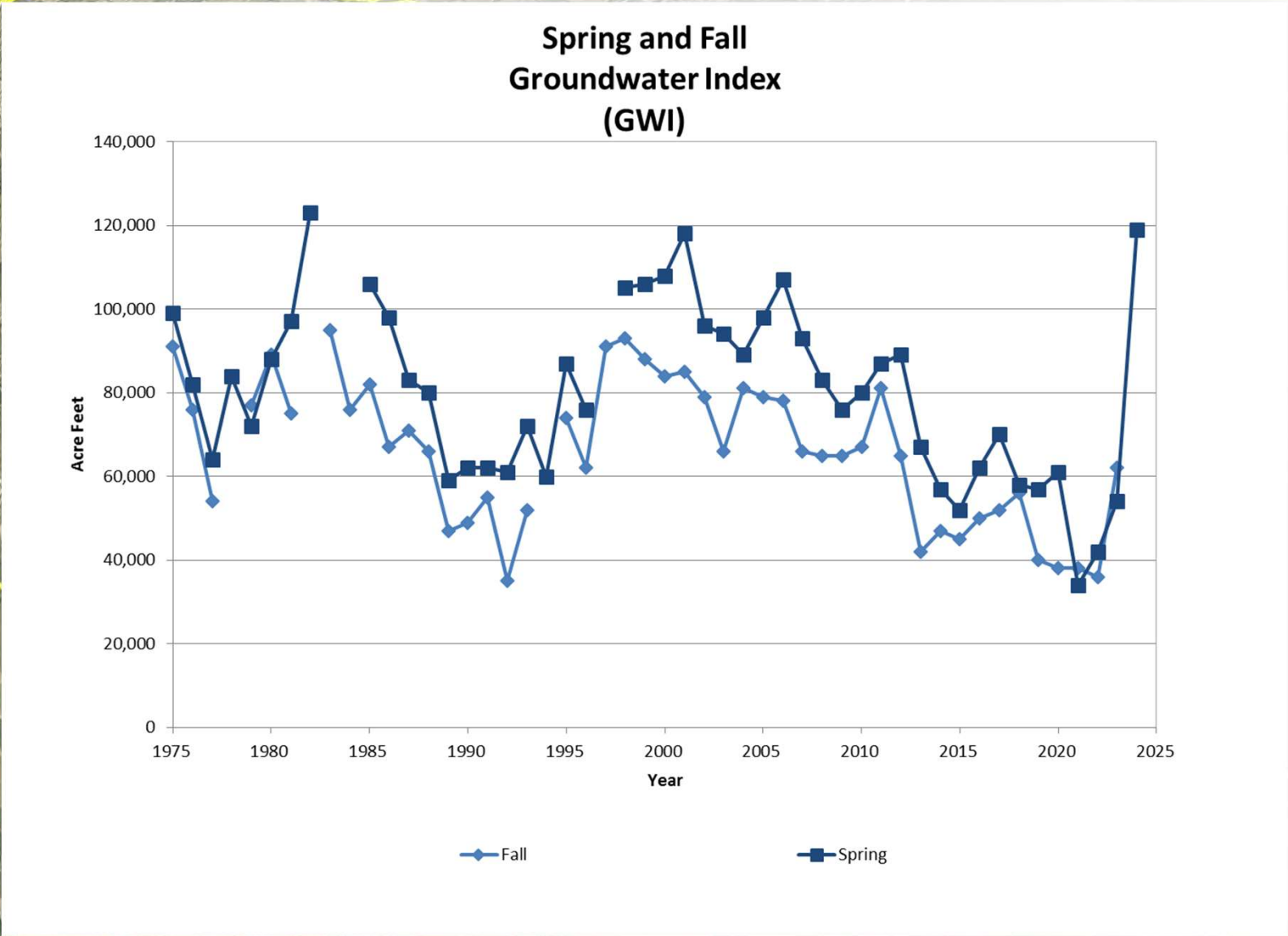
Year	Rainfall Water Year (inches)	Spring GWI (Acre-Feet)	Number of Wells	Fall GWI (Acre-Feet)	Number of Wells	Spring to Fall Difference (Acre-Feet)
1975	17.29	99,000	54	91,000	54	8,000
1976	13.45	82,000	45	76,000	65	6,000
1977	10.23	64,000	59	54,000	63	10,000
1978	30.00	84,000	62	---	35	---
1979	15.80	72,000	57	77,000	63	(5,000)
1980	16.57	88,000	55	89,000	46	(1,000)
1981	14.32	97,000	46	75,000	47	22,000
1982	18.58	123,000	42	---	31	---
1983	33.09	---	35	95,000	42	---
1984	10.38	---	14	76,000	37	---
1985	12.20	106,000	37	82,000	41	24,000
1986	16.85	98,000	51	67,000	51	31,000
1987	11.29	83,000	48	71,000	52	12,000
1988	12.66	80,000	51	66,000	49	14,000
1989	12.25	59,000	47	47,000	57	12,000
1990	7.12	62,000	55	49,000	53	13,000
1991	13.18	62,000	52	55,000	54	7,000
1992	15.66	61,000	52	35,000	48	26,000
1993	20.17	72,000	54	52,000	61	20,000
1994	12.15	60,000	54	---	36	---
1995	25.87	87,000	35	74,000	52	13,000
1996	16.54	76,000	45	62,000	57	14,000
1997	20.50	---	20	91,000	48	---
1998	33.67	105,000	41	93,000	44	12,000
1999	12.98	106,000	56	88,000	49	18,000
2000	14.47	108,000	44	84,000	41	24,000
2001	21.62	118,000	43	85,000	35	33,000
2002	10.25	96,000	29	79,000	41	17,000
2003	11.39	94,000	37	66,000	42	28,000
2004	12.57	89,000	42	81,000	35	8,000
2005	22.23	98,000	38	79,000	39	19,000
2006	20.83	107,000	44	78,000	41	29,000
2007	7.11	93,000	44	66,000	42	27,000
2008	15.18	83,000	43	65,000	42	18,000
2009	10.31	76,000	44	65,000	43	11,000
2010	20.07	80,000	45	67,000	42	13,000
2011	34.05	87,000	43	81,000	43	6,000
2012	15.35	89,000	45	65,000	44	24,000
2013	8.07	67,000	45	42,000	43	25,000
2014	4.72	57,000	45	47,000	42	10,000
2015	8.65	52,000	42	45,000	39	7,000
2016	11.48	62,000	39	50,000	41	12,000
2017	29.41	70,000	36	52,000	43	18,000
2018	10.16	58,000	42	56,000	38	2,000
2019	23.71	57,000	42	40,000	42	17,000
2020	15.85	61,000	39	38,000	41	23,000
2021	8.48	34,000	41	38,000	39	(4,000)
2022	10.75	42,000	37	36,000	38	6,000
2023	30.4*	54,000	39	62,000	38	(8,000)
2024	19.4*	119,000	39	---	---	---

---: Insufficient for evaluation
 *: Preliminary value

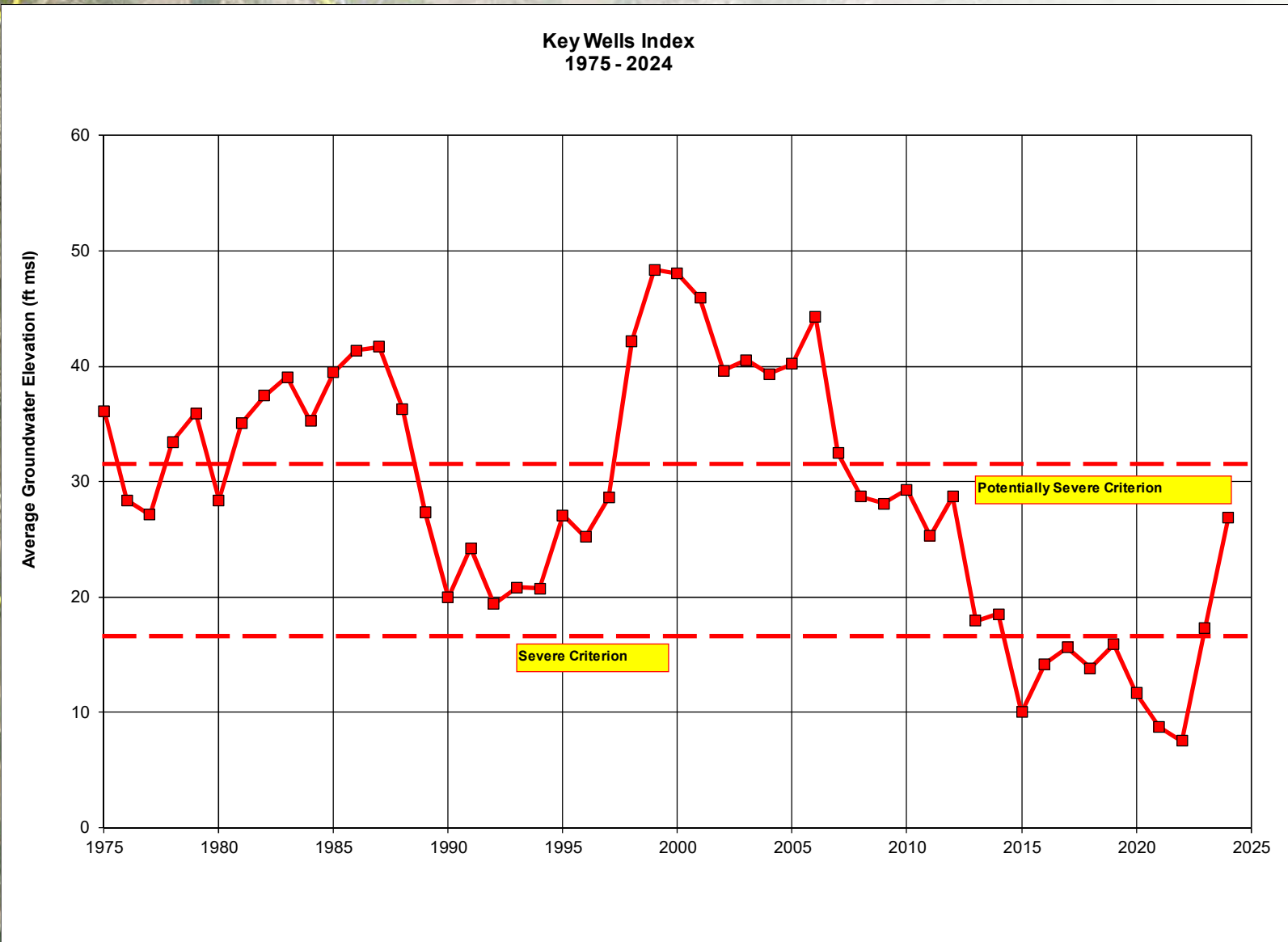
Spring and Fall Groundwater Index (GWI)

Year	Rainfall Water Year (inches)	Spring GWI (Acre-Feet)	Number of Wells	Fall GWI (Acre-Feet)	Number of Wells	Spring to Fall Difference (Acre-Feet)
2000	14.47	108,000	44	84,000	41	24,000
2001	21.62	118,000	43	85,000	35	33,000
2002	10.25	96,000	29	79,000	41	17,000
2003	11.39	94,000	37	66,000	42	28,000
2004	12.57	89,000	42	81,000	35	8,000
2005	22.23	98,000	38	79,000	39	19,000
2006	20.83	107,000	44	78,000	41	29,000
2007	7.11	93,000	44	66,000	42	27,000
2008	15.18	83,000	43	65,000	42	18,000
2009	10.31	76,000	44	65,000	43	11,000
2010	20.07	80,000	45	67,000	42	13,000
2011	34.05	87,000	43	81,000	43	6,000
2012	15.35	89,000	45	65,000	44	24,000
2013	8.07	67,000	45	42,000	43	25,000
2014	4.72	57,000	45	47,000	42	10,000
2015	8.65	52,000	42	45,000	39	7,000
2016	11.48	62,000	39	50,000	41	12,000
2017	29.41	70,000	36	52,000	43	18,000
2018	10.16	58,000	42	56,000	38	2,000
2019	23.71	57,000	42	40,000	42	17,000
2020	15.85	61,000	39	38,000	41	23,000
2021	8.48	34,000	41	38,000	39	(4,000)
2022	10.75	42,000	37	36,000	38	6,000
2023	30.4*	54,000	39	62,000	38	(8,000)
2024	19.4*	119,000	39			

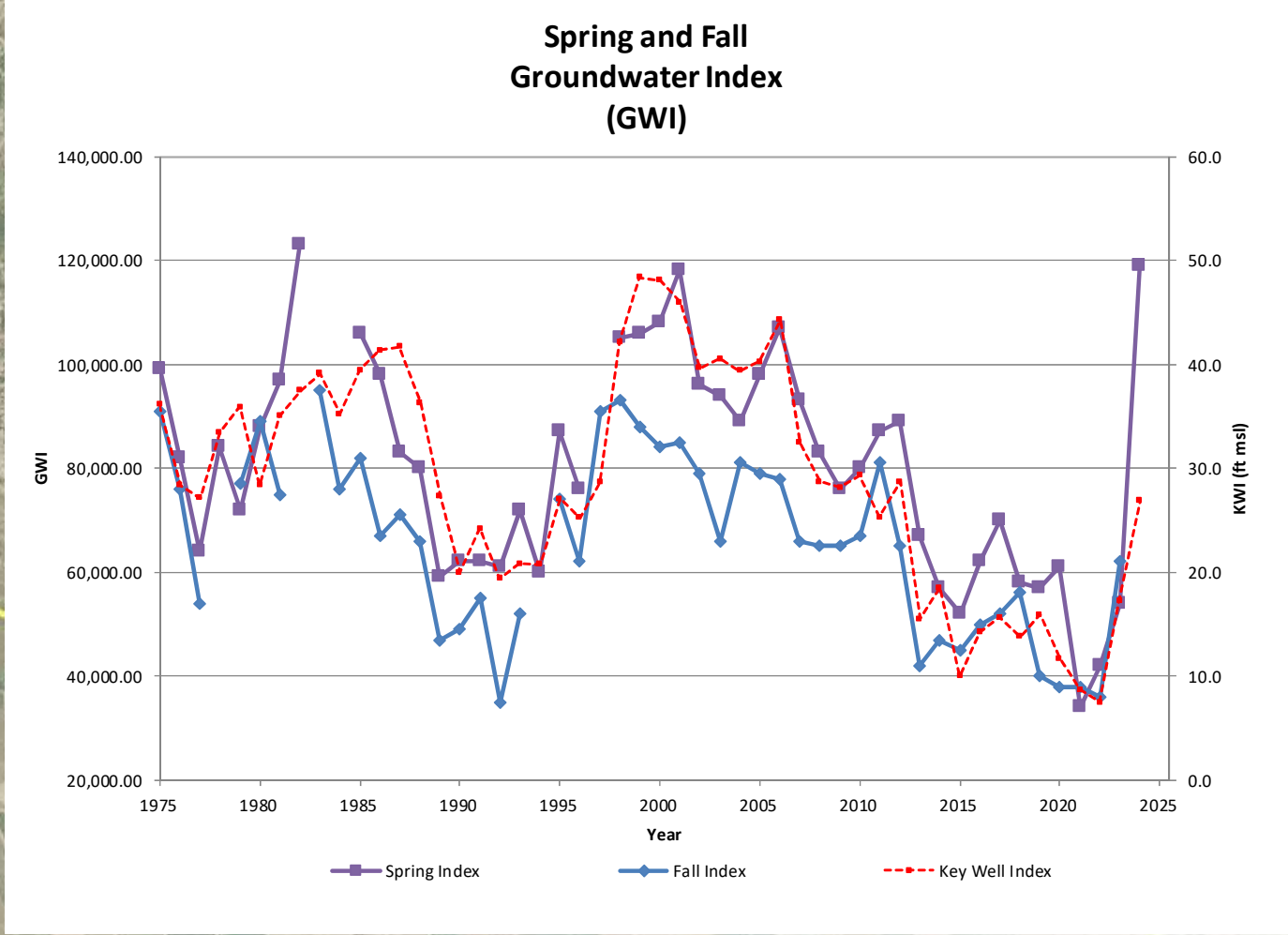
---: Insufficient for evaluation
 *: Preliminary value



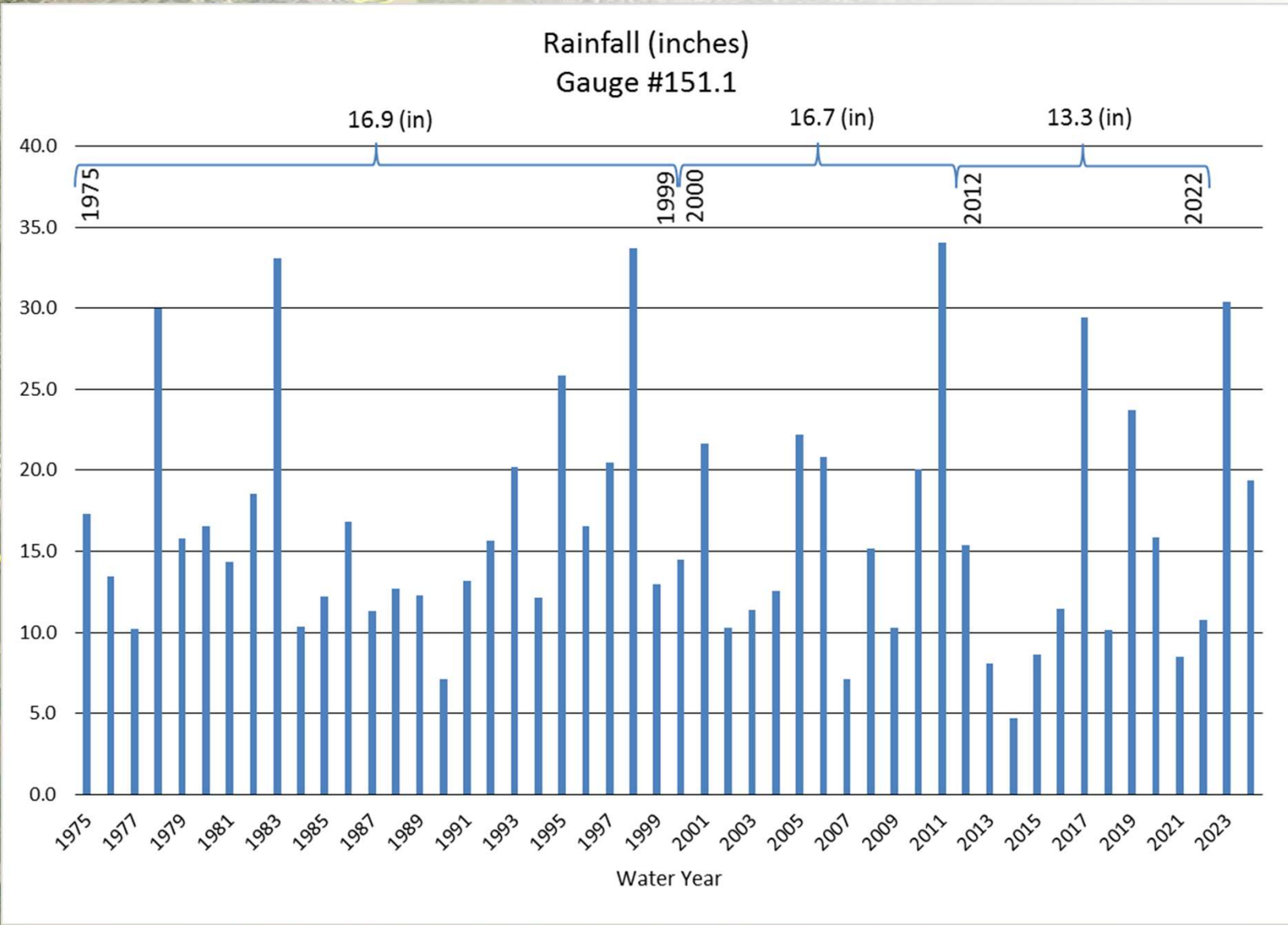
2024 Key Wells Index



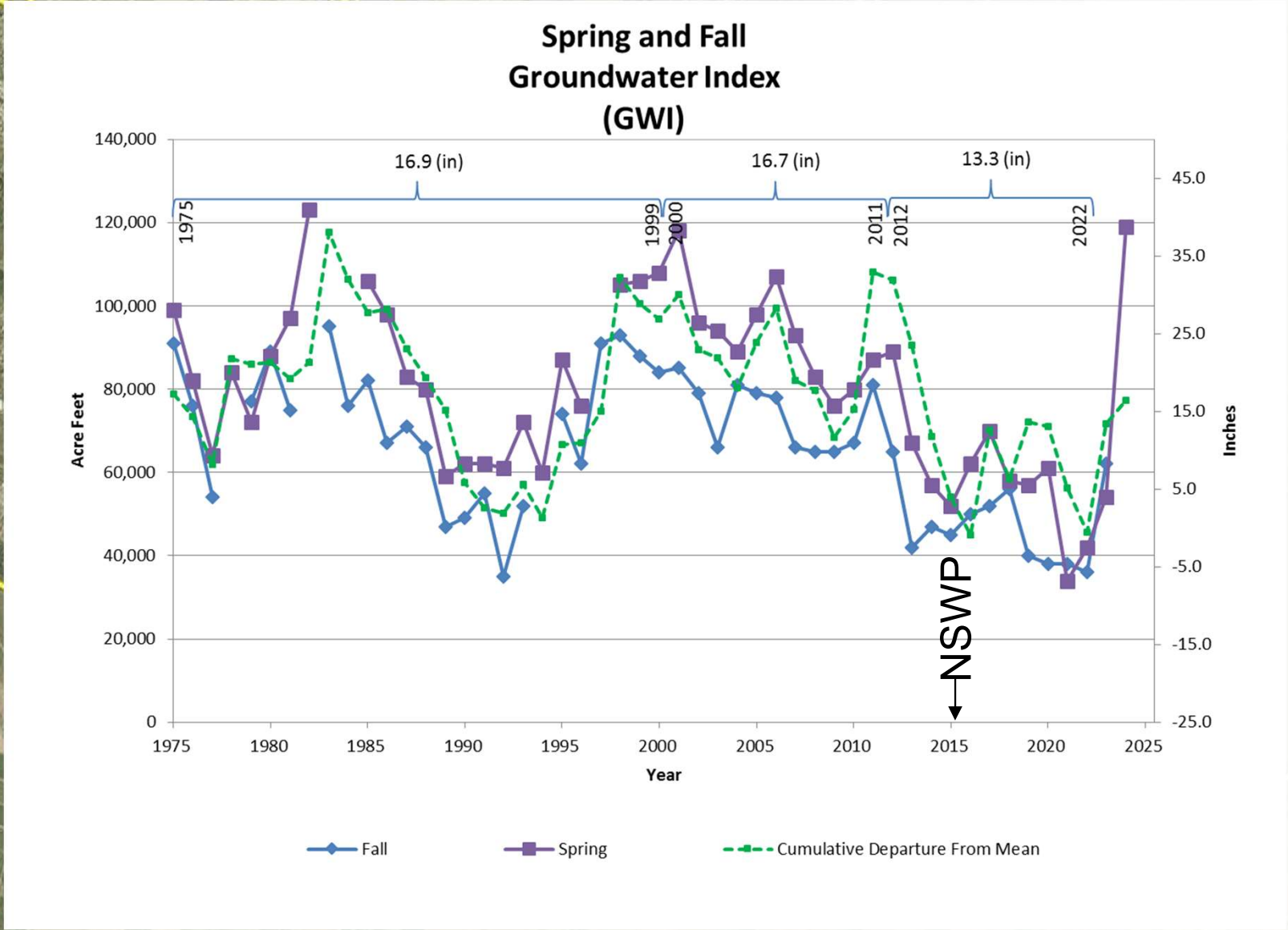
GWI and KWI



Rainfall Record (average 16.4 inches)



GWI and Rainfall



An aerial photograph of a rural landscape, likely a farm or agricultural area. The image shows a patchwork of fields in various shades of green and brown, interspersed with roads and some buildings. A prominent yellow line is drawn across the image, following a path that roughly outlines a large, irregular area. The text "QUESTIONS?" is overlaid in the center of the image in a large, bold, black font. The right side of the image is faded, suggesting a transition to another slide or a focus on the left side.

QUESTIONS?