

Summary of Inflow and Outflow of Nitrate Mass. Units are in Thousands of Tons (1 ton = 2,000 pounds)

Row Labels	Sum of Adjacent IAZs	Sum of Surface Water	Sum of Vertical Flow	Sum of Well Pumpage	Sum of Farm Recharge	Sum of Delta Interaction
1.0						
IN						
High NUE	0.1	0.0	4.0	0.0	3.4	0.0
Moderate NUE	0.1	0.0	4.0	0.0	9.0	0.0
Low NUE	0.2	0.0	4.0	0.0	17.4	0.0
90% of Low NUE	0.2	0.0	4.0	0.0	20.9	0.0
75% of Low NUE	0.2	0.0	4.0	0.0	27.9	0.0
60% of Low NUE	0.3	0.0	4.0	0.0	55.8	0.0
OUT						
High NUE	-0.2	-0.9	-4.6	-0.3	0.0	0.0
Moderate NUE	-0.4	-1.4	-7.3	-0.5	0.0	0.0
Low NUE	-0.6	-2.1	-11.4	-0.8	0.0	0.0
90% of Low NUE	-0.7	-2.4	-13.2	-0.9	0.0	0.0
75% of Low NUE	-0.9	-3.1	-16.6	-1.2	0.0	0.0
60% of Low NUE	-1.6	-5.6	-30.4	-2.1	0.0	0.0
2.0						
IN						
High NUE	1.2	0.0	19.5	0.0	7.7	0.0
Moderate NUE	1.5	0.0	19.5	0.0	13.1	0.0
Low NUE	1.9	0.0	19.5	0.0	21.4	0.0
90% of Low NUE	2.3	0.0	19.5	0.0	26.5	0.0
75% of Low NUE	3.0	0.0	19.5	0.0	36.8	0.0
60% of Low NUE	6.4	0.0	19.5	0.0	84.5	0.0
OUT						
High NUE	-2.0	-8.3	-22.9	-2.3	0.0	0.0
Moderate NUE	-2.2	-9.1	-25.1	-2.5	0.0	0.0
Low NUE	-2.6	-10.3	-28.5	-2.9	0.0	0.0
90% of Low NUE	-2.8	-11.1	-30.6	-3.1	0.0	0.0
75% of Low NUE	-3.1	-12.6	-34.8	-3.5	0.0	0.0
60% of Low NUE	-4.9	-19.7	-54.5	-5.6	0.0	0.0
3.0						
IN						
High NUE	1.8	0.0	11.2	0.0	16.9	0.0
Moderate NUE	2.0	0.0	11.2	0.0	23.8	0.0
Low NUE	2.4	0.0	11.2	0.0	35.0	0.0
90% of Low NUE	2.7	0.0	11.2	0.0	47.8	0.0
75% of Low NUE	3.3	0.0	11.2	0.0	73.3	0.0
60% of Low NUE	6.1	0.0	11.2	0.0	208.3	0.0
OUT						
High NUE	-2.8	-6.9	-16.6	0.0	0.0	0.0
Moderate NUE	-3.2	-8.0	-19.2	0.0	0.0	0.0
Low NUE	-3.9	-9.7	-23.3	0.0	0.0	0.0
90% of Low NUE	-4.6	-11.6	-27.9	-0.1	0.0	0.0
75% of Low NUE	-6.2	-15.3	-37.2	-0.1	0.0	0.0
60% of Low NUE	-14.2	-35.3	-86.0	-0.2	0.0	0.0
4.0						
IN						
High NUE	4.4	0.0	4.1	0.0	5.6	0.0
Moderate NUE	5.0	0.0	4.1	0.0	7.8	0.0
Low NUE	6.0	0.0	4.1	0.0	11.7	0.0
90% of Low NUE	6.9	0.0	4.1	0.0	15.9	0.0
75% of Low NUE	8.7	0.0	4.1	0.0	24.3	0.0
60% of Low NUE	17.8	0.0	4.1	0.0	68.6	0.0
OUT						
High NUE	-1.1	-9.4	-0.8	0.0	0.0	0.0
Moderate NUE	-1.3	-11.0	-1.0	0.0	0.0	0.0
Low NUE	-1.6	-13.6	-1.2	0.0	0.0	0.0
90% of Low NUE	-1.9	-16.3	-1.4	0.0	0.0	0.0
75% of Low NUE	-2.5	-21.8	-1.9	0.0	0.0	0.0
60% of Low NUE	-5.9	-50.4	-4.4	0.0	0.0	0.0
5.0						
IN						
High NUE	1.6	0.0	4.5	0.0	4.0	0.0
Moderate NUE	2.0	0.0	4.5	0.0	7.4	0.0
Low NUE	2.6	0.0	4.5	0.0	12.7	0.0
90% of Low NUE	2.9	0.0	4.5	0.0	16.8	0.0
75% of Low NUE	3.6	0.0	4.5	0.0	25.1	0.0
60% of Low NUE	7.1	0.0	4.5	0.0	66.4	0.0

OUT							
High NUE	-1.0	-3.2	-6.0	-0.4	0.0	0.0	
Moderate NUE	-1.2	-3.8	-7.2	-0.5	0.0	0.0	
Low NUE	-1.6	-4.8	-8.9	-0.6	0.0	0.0	
90% of Low NUE	-1.8	-5.5	-10.3	-0.7	0.0	0.0	
75% of Low NUE	-2.3	-6.9	-13.1	-0.9	0.0	0.0	
60% of Low NUE	-4.6	-14.2	-26.8	-1.9	0.0	0.0	
6.0							
IN							
High NUE	1.5	0.8	7.0	0.0	100.2	0.0	
Moderate NUE	1.8	0.8	7.0	0.0	116.5	0.0	
Low NUE	2.2	0.8	7.0	0.0	146.3	0.0	
90% of Low NUE	2.5	0.8	7.0	0.0	161.3	0.0	
75% of Low NUE	3.1	0.8	7.0	0.0	191.7	0.0	
60% of Low NUE	6.0	0.8	7.0	0.0	329.4	0.0	
OUT							
High NUE	-5.4	-3.3	-61.0	-8.4	0.0	0.0	
Moderate NUE	-6.2	-3.8	-69.3	-9.5	0.0	0.0	
Low NUE	-7.6	-4.6	-84.4	-11.6	0.0	0.0	
90% of Low NUE	-8.2	-5.1	-92.1	-12.6	0.0	0.0	
75% of Low NUE	-9.6	-5.9	-107.5	-14.7	0.0	0.0	
60% of Low NUE	-15.9	-9.8	-177.7	-24.3	0.0	0.0	
7.0							
IN							
High NUE	1.7	0.0	1.9	0.0	25.0	0.0	
Moderate NUE	1.9	0.0	1.9	0.0	33.6	0.0	
Low NUE	2.3	0.0	1.9	0.0	46.7	0.0	
90% of Low NUE	2.6	0.0	1.9	0.0	54.5	0.0	
75% of Low NUE	3.0	0.0	1.9	0.0	70.1	0.0	
60% of Low NUE	5.1	0.0	1.9	0.0	141.7	0.0	
OUT							
High NUE	-2.2	-2.7	-9.8	-4.7	0.0	0.0	
Moderate NUE	-2.7	-3.4	-12.3	-5.9	0.0	0.0	
Low NUE	-3.6	-4.4	-16.2	-7.7	0.0	0.0	
90% of Low NUE	-4.1	-5.0	-18.5	-8.8	0.0	0.0	
75% of Low NUE	-5.1	-6.2	-23.1	-11.0	0.0	0.0	
60% of Low NUE	-9.7	-11.9	-44.1	-21.1	0.0	0.0	
8.0							
IN							
High NUE	2.4	0.7	1.7	0.0	33.7	0.0	
Moderate NUE	2.5	0.7	1.7	0.0	40.5	0.0	
Low NUE	2.8	0.7	1.7	0.0	50.7	0.0	
90% of Low NUE	3.0	0.7	1.7	0.0	57.7	0.0	
75% of Low NUE	3.4	0.7	1.7	0.0	71.8	0.0	
60% of Low NUE	5.1	0.7	1.7	0.0	138.9	0.0	
OUT							
High NUE	-0.8	0.0	-26.0	-2.5	0.0	0.0	
Moderate NUE	-0.9	0.0	-28.7	-2.8	0.0	0.0	
Low NUE	-1.0	0.0	-32.8	-3.2	0.0	0.0	
90% of Low NUE	-1.1	0.0	-35.6	-3.5	0.0	0.0	
75% of Low NUE	-1.3	0.0	-41.2	-4.1	0.0	0.0	
60% of Low NUE	-2.1	0.0	-67.9	-6.9	0.0	0.0	
9.0							
IN							
High NUE	3.9	6.0	3.6	0.0	18.5	0.1	
Moderate NUE	4.4	6.0	3.6	0.0	22.1	0.1	
Low NUE	5.2	6.0	3.6	0.0	28.4	0.1	
90% of Low NUE	5.7	6.0	3.6	0.0	31.3	0.1	
75% of Low NUE	6.6	6.0	3.6	0.0	37.3	0.1	
60% of Low NUE	10.7	6.0	3.6	0.0	63.5	0.1	
OUT							
High NUE	-0.7	-0.6	-11.3	-0.4	0.0	-2.1	
Moderate NUE	-0.7	-0.6	-12.3	-0.4	0.0	-2.3	
Low NUE	-0.9	-0.7	-14.2	-0.5	0.0	-2.6	
90% of Low NUE	-0.9	-0.8	-15.1	-0.5	0.0	-2.8	
75% of Low NUE	-1.0	-0.9	-16.9	-0.6	0.0	-3.1	
60% of Low NUE	-1.5	-1.3	-24.8	-0.8	0.0	-4.6	
10.0							
IN							
High NUE	0.6	1.6	5.8	0.0	10.7	0.0	
Moderate NUE	0.6	1.6	5.8	0.0	12.2	0.0	

Low NUE	0.6	1.6	5.8	0.0	14.6	0.0
90% of Low NUE	0.6	1.6	5.8	0.0	16.5	0.0
75% of Low NUE	0.7	1.6	5.8	0.0	20.4	0.0
60% of Low NUE	0.9	1.6	5.8	0.0	39.7	0.0
OUT						
High NUE	-1.2	-2.2	-7.2	-0.2	0.0	0.0
Moderate NUE	-1.3	-2.3	-7.6	-0.3	0.0	0.0
Low NUE	-1.4	-2.5	-8.3	-0.3	0.0	0.0
90% of Low NUE	-1.5	-2.7	-8.9	-0.3	0.0	0.0
75% of Low NUE	-1.7	-3.0	-10.0	-0.3	0.0	0.0
60% of Low NUE	-2.6	-4.6	-15.4	-0.5	0.0	0.0
11.0						
IN						
High NUE	4.8	0.0	6.2	0.0	13.1	0.0
Moderate NUE	4.9	0.0	6.2	0.0	16.6	0.0
Low NUE	5.2	0.0	6.2	0.0	22.1	0.0
90% of Low NUE	5.3	0.0	6.2	0.0	26.1	0.0
75% of Low NUE	5.7	0.0	6.2	0.0	33.9	0.0
60% of Low NUE	7.4	0.0	6.2	0.0	71.7	0.0
OUT						
High NUE	-2.9	-9.0	-17.4	-0.8	0.0	0.0
Moderate NUE	-3.1	-9.4	-18.2	-0.9	0.0	0.0
Low NUE	-3.3	-10.1	-19.4	-0.9	0.0	0.0
90% of Low NUE	-3.4	-10.5	-20.3	-1.0	0.0	0.0
75% of Low NUE	-3.7	-11.4	-22.1	-1.1	0.0	0.0
60% of Low NUE	-5.1	-15.8	-30.5	-1.5	0.0	0.0
12.0						
IN						
High NUE	1.7	3.6	5.1	0.0	11.0	0.0
Moderate NUE	1.7	3.6	5.1	0.0	13.3	0.0
Low NUE	1.9	3.6	5.1	0.0	17.0	0.0
90% of Low NUE	2.0	3.6	5.1	0.0	19.8	0.0
75% of Low NUE	2.1	3.6	5.1	0.0	25.4	0.0
60% of Low NUE	3.0	3.6	5.1	0.0	53.0	0.0
OUT						
High NUE	-6.6	-3.7	-18.4	-0.1	0.0	0.0
Moderate NUE	-6.8	-3.8	-18.8	-0.1	0.0	0.0
Low NUE	-7.1	-4.0	-19.6	-0.1	0.0	0.0
90% of Low NUE	-7.3	-4.1	-20.2	-0.1	0.0	0.0
75% of Low NUE	-7.8	-4.3	-21.3	-0.1	0.0	0.0
60% of Low NUE	-10.0	-5.4	-26.9	-0.1	0.0	0.0
13.0						
IN						
High NUE	4.8	1.7	7.3	0.0	3.7	0.0
Moderate NUE	4.9	1.7	7.3	0.0	6.6	0.0
Low NUE	5.2	1.7	7.3	0.0	11.4	0.0
90% of Low NUE	5.4	1.7	7.3	0.0	14.0	0.0
75% of Low NUE	5.7	1.7	7.3	0.0	19.3	0.0
60% of Low NUE	7.6	1.7	7.3	0.0	43.6	0.0
OUT						
High NUE	-2.0	-0.3	-52.1	-7.5	0.0	0.0
Moderate NUE	-2.1	-0.3	-53.3	-7.7	0.0	0.0
Low NUE	-2.2	-0.3	-55.3	-8.0	0.0	0.0
90% of Low NUE	-2.2	-0.3	-56.5	-8.2	0.0	0.0
75% of Low NUE	-2.3	-0.3	-58.8	-8.5	0.0	0.0
60% of Low NUE	-2.7	-0.4	-69.3	-10.2	0.0	0.0
14.0						
IN						
High NUE	2.5	0.2	2.5	0.0	16.3	0.0
Moderate NUE	2.6	0.2	2.5	0.0	16.8	0.0
Low NUE	2.7	0.2	2.5	0.0	17.7	0.0
90% of Low NUE	2.9	0.2	2.5	0.0	19.5	0.0
75% of Low NUE	3.3	0.2	2.5	0.0	23.3	0.0
60% of Low NUE	5.6	0.2	2.5	0.0	44.4	0.0
OUT						
High NUE	-2.4	0.0	-108.1	-13.3	0.0	0.0
Moderate NUE	-2.4	0.0	-108.2	-13.3	0.0	0.0
Low NUE	-2.4	0.0	-108.4	-13.3	0.0	0.0
90% of Low NUE	-2.4	0.0	-108.8	-13.4	0.0	0.0
75% of Low NUE	-2.4	0.0	-109.6	-13.5	0.0	0.0
60% of Low NUE	-2.4	0.0	-114.1	-14.1	0.0	0.0

15.0							
IN							
High NUE	22.6	4.4	2.3	0.0	631.0	0.0	
Moderate NUE	23.6	4.4	2.3	0.0	658.1	0.0	
Low NUE	25.1	4.4	2.3	0.0	708.8	0.0	
90% of Low NUE	26.2	4.4	2.3	0.0	782.7	0.0	
75% of Low NUE	28.6	4.4	2.3	0.0	931.9	0.0	
60% of Low NUE	40.7	4.4	2.3	0.0	1758.3	0.0	
OUT							
High NUE	-8.3	-0.2	-273.4	-134.6	0.0	0.0	
Moderate NUE	-8.6	-0.2	-283.9	-139.6	0.0	0.0	
Low NUE	-9.2	-0.2	-303.3	-149.1	0.0	0.0	
90% of Low NUE	-10.1	-0.2	-331.4	-162.6	0.0	0.0	
75% of Low NUE	-11.9	-0.2	-388.0	-190.0	0.0	0.0	
60% of Low NUE	-21.6	-0.4	-701.4	-341.7	0.0	0.0	
16.0							
IN							
High NUE	13.2	0.2	7.3	0.0	43.0	0.0	
Moderate NUE	13.8	0.2	7.3	0.0	46.9	0.0	
Low NUE	14.8	0.2	7.3	0.0	52.9	0.0	
90% of Low NUE	15.9	0.2	7.3	0.0	55.8	0.0	
75% of Low NUE	18.1	0.2	7.3	0.0	61.7	0.0	
60% of Low NUE	29.7	0.2	7.3	0.0	87.8	0.0	
OUT							
High NUE	-17.3	0.0	-41.8	-14.3	0.0	0.0	
Moderate NUE	-18.0	0.0	-43.7	-15.0	0.0	0.0	
Low NUE	-19.2	0.0	-46.5	-16.0	0.0	0.0	
90% of Low NUE	-19.8	0.0	-48.1	-16.6	0.0	0.0	
75% of Low NUE	-21.1	0.0	-51.3	-17.8	0.0	0.0	
60% of Low NUE	-27.0	0.0	-66.0	-23.4	0.0	0.0	
17.0							
IN							
High NUE	10.5	1.0	5.6	0.0	138.9	0.0	
Moderate NUE	11.0	1.0	5.6	0.0	148.6	0.0	
Low NUE	11.7	1.0	5.6	0.0	164.4	0.0	
90% of Low NUE	12.4	1.0	5.6	0.0	180.5	0.0	
75% of Low NUE	13.8	1.0	5.6	0.0	213.3	0.0	
60% of Low NUE	21.0	1.0	5.6	0.0	387.7	0.0	
OUT							
High NUE	-19.7	0.0	-98.7	-33.9	0.0	0.0	
Moderate NUE	-20.7	0.0	-103.3	-35.3	0.0	0.0	
Low NUE	-22.3	0.0	-110.9	-37.8	0.0	0.0	
90% of Low NUE	-23.8	0.0	-118.6	-40.2	0.0	0.0	
75% of Low NUE	-27.1	0.0	-134.2	-45.2	0.0	0.0	
60% of Low NUE	-44.1	0.0	-217.4	-71.9	0.0	0.0	
18.0							
IN							
High NUE	18.9	24.5	28.2	0.0	254.7	0.0	
Moderate NUE	19.8	24.5	28.2	0.0	275.5	0.0	
Low NUE	21.4	24.5	28.2	0.0	310.9	0.0	
90% of Low NUE	23.3	24.5	28.2	0.0	342.9	0.0	
75% of Low NUE	27.1	24.5	28.2	0.0	407.7	0.0	
60% of Low NUE	47.6	24.5	28.2	0.0	745.9	0.0	
OUT							
High NUE	-8.4	0.0	-199.1	-172.9	0.0	0.0	
Moderate NUE	-8.8	0.0	-208.0	-180.5	0.0	0.0	
Low NUE	-9.4	0.0	-223.2	-193.4	0.0	0.0	
90% of Low NUE	-10.0	0.0	-237.2	-205.2	0.0	0.0	
75% of Low NUE	-11.2	0.0	-265.3	-229.0	0.0	0.0	
60% of Low NUE	-17.6	0.0	-412.5	-353.6	0.0	0.0	
19.0							
IN							
High NUE	18.3	0.0	4.3	0.0	244.5	0.0	
Moderate NUE	19.6	0.0	4.3	0.0	270.0	0.0	
Low NUE	21.7	0.0	4.3	0.0	316.0	0.0	
90% of Low NUE	23.7	0.0	4.3	0.0	349.0	0.0	
75% of Low NUE	27.6	0.0	4.3	0.0	415.7	0.0	
60% of Low NUE	48.1	0.0	4.3	0.0	746.7	0.0	
OUT							
High NUE	-5.6	0.0	-87.0	-26.9	0.0	0.0	
Moderate NUE	-6.0	0.0	-93.4	-28.9	0.0	0.0	

Low NUE	-6.8	0.0	-104.9	-32.5	0.0	0.0
90% of Low NUE	-7.4	0.0	-113.3	-35.0	0.0	0.0
75% of Low NUE	-8.5	0.0	-130.1	-40.3	0.0	0.0
60% of Low NUE	-14.3	0.0	-213.9	-66.2	0.0	0.0
20.0						
IN						
High NUE	14.3	0.1	11.0	0.0	145.4	0.0
Moderate NUE	15.3	0.1	11.0	0.0	153.9	0.0
Low NUE	17.0	0.1	11.0	0.0	167.7	0.0
90% of Low NUE	18.4	0.1	11.0	0.0	184.2	0.0
75% of Low NUE	21.4	0.1	11.0	0.0	217.7	0.0
60% of Low NUE	36.6	0.1	11.0	0.0	398.9	0.0
OUT						
High NUE	-20.6	0.0	-64.9	-5.4	0.0	0.0
Moderate NUE	-21.7	0.0	-68.3	-5.7	0.0	0.0
Low NUE	-23.5	0.0	-73.8	-6.1	0.0	0.0
90% of Low NUE	-25.5	0.0	-80.3	-6.7	0.0	0.0
75% of Low NUE	-29.7	0.0	-93.4	-7.8	0.0	0.0
60% of Low NUE	-52.2	0.0	-164.2	-13.6	0.0	0.0
21.0						
IN						
High NUE	3.7	0.8	5.1	0.0	503.0	0.0
Moderate NUE	3.9	0.8	5.1	0.0	546.2	0.0
Low NUE	4.4	0.8	5.1	0.0	617.8	0.0
90% of Low NUE	4.8	0.8	5.1	0.0	680.6	0.0
75% of Low NUE	5.6	0.8	5.1	0.0	807.4	0.0
60% of Low NUE	9.6	0.8	5.1	0.0	1461.8	0.0
OUT						
High NUE	-22.9	0.0	-154.4	-35.4	0.0	0.0
Moderate NUE	-24.7	0.0	-166.6	-38.2	0.0	0.0
Low NUE	-27.6	0.0	-186.9	-42.9	0.0	0.0
90% of Low NUE	-30.2	0.0	-204.7	-47.1	0.0	0.0
75% of Low NUE	-35.4	0.0	-240.7	-55.4	0.0	0.0
60% of Low NUE	-62.4	0.0	-426.2	-98.5	0.0	0.0
22.0						
IN						
High NUE	1.5	2.5	7.6	0.0	7.5	0.0
Moderate NUE	1.6	2.5	7.6	0.0	8.8	0.0
Low NUE	1.6	2.5	7.6	0.0	10.9	0.0
90% of Low NUE	1.7	2.5	7.6	0.0	12.6	0.0
75% of Low NUE	1.8	2.5	7.6	0.0	16.1	0.0
60% of Low NUE	2.3	2.5	7.6	0.0	33.7	0.0
OUT						
High NUE	-1.5	-0.2	-25.0	-0.8	0.0	0.0
Moderate NUE	-1.6	-0.2	-25.3	-0.8	0.0	0.0
Low NUE	-1.6	-0.2	-25.9	-0.8	0.0	0.0
90% of Low NUE	-1.6	-0.2	-26.4	-0.8	0.0	0.0
75% of Low NUE	-1.7	-0.2	-27.3	-0.9	0.0	0.0
60% of Low NUE	-2.0	-0.3	-32.2	-1.0	0.0	0.0

Summary of Inflow and Outflow of TDS Mass. Units are in Thousands of Tons (1 ton = 2,000 pounds)

Row Labels	Sum of Adjacent IAZs	Sum of Surface Water	Sum of Vertical Flow	Sum of Well Pumpage	Sum of Farm Recharge	Sum of Delta Interaction
1.0						
IN						
50% of Loading	21.6	0.0	1106.4	0.0	536.3	0.0
100% of Loading	23.2	0.0	1106.4	0.0	1072.6	0.0
200% of Loading	26.5	0.0	1106.4	0.0	2145.3	0.0
OUT						
50% of Loading	-103.1	-392.3	-1905.7	-117.3	0.0	0.0
100% of Loading	-116.9	-439.2	-2164.4	-135.9	0.0	0.0
200% of Loading	-144.6	-533.0	-2681.7	-172.9	0.0	0.0
2.0						
IN						
50% of Loading	534.7	22.4	2943.4	2.6	678.6	0.0
100% of Loading	596.0	22.4	2943.4	2.6	1357.1	0.0
200% of Loading	718.5	22.4	2943.4	2.6	2714.2	0.0
OUT						
50% of Loading	-324.9	-1319.9	-3633.5	-366.9	0.0	0.0
100% of Loading	-350.8	-1422.8	-3917.3	-396.0	0.0	0.0
200% of Loading	-402.7	-1628.5	-4484.9	-454.1	0.0	0.0
3.0						
IN						
50% of Loading	494.5	13.8	3033.4	0.2	2754.8	0.0
100% of Loading	558.0	13.8	3033.4	0.2	5509.6	0.0
200% of Loading	685.0	13.8	3033.4	0.2	11019.2	0.0
OUT						
50% of Loading	-876.0	-2201.9	-5227.7	-11.0	0.0	0.0
100% of Loading	-1044.2	-2617.7	-6247.0	-13.1	0.0	0.0
200% of Loading	-1380.5	-3449.2	-8285.4	-17.5	0.0	0.0
4.0						
IN						
50% of Loading	1165.3	18.9	4340.4	0.0	553.3	0.0
100% of Loading	1338.3	18.9	4340.4	0.0	1106.6	0.0
200% of Loading	1684.4	18.9	4340.4	0.0	2213.2	0.0
OUT						
50% of Loading	-723.9	-6355.3	-536.3	-0.2	0.0	0.0
100% of Loading	-769.6	-6747.0	-570.6	-0.2	0.0	0.0
200% of Loading	-860.9	-7530.4	-639.2	-0.2	0.0	0.0
5.0						
IN						
50% of Loading	281.7	0.0	1441.2	0.0	532.9	0.0
100% of Loading	312.8	0.0	1441.2	0.0	1065.8	0.0
200% of Loading	375.0	0.0	1441.2	0.0	2131.6	0.0
OUT						
50% of Loading	-368.8	-1130.5	-2113.0	-127.3	0.0	0.0
100% of Loading	-397.5	-1218.2	-2279.1	-139.6	0.0	0.0
200% of Loading	-454.9	-1393.4	-2611.4	-164.1	0.0	0.0
6.0						
IN						
50% of Loading	546.3	177.7	1787.4	0.0	6404.2	0.0
100% of Loading	589.1	177.7	1787.4	0.0	12808.3	0.0
200% of Loading	674.8	177.7	1787.4	0.0	25616.7	0.0
OUT						
50% of Loading	-651.8	-400.0	-7424.3	-1012.1	0.0	0.0
100% of Loading	-932.3	-573.2	-10540.5	-1438.7	0.0	0.0
200% of Loading	-1493.4	-919.5	-16772.9	-2291.8	0.0	0.0

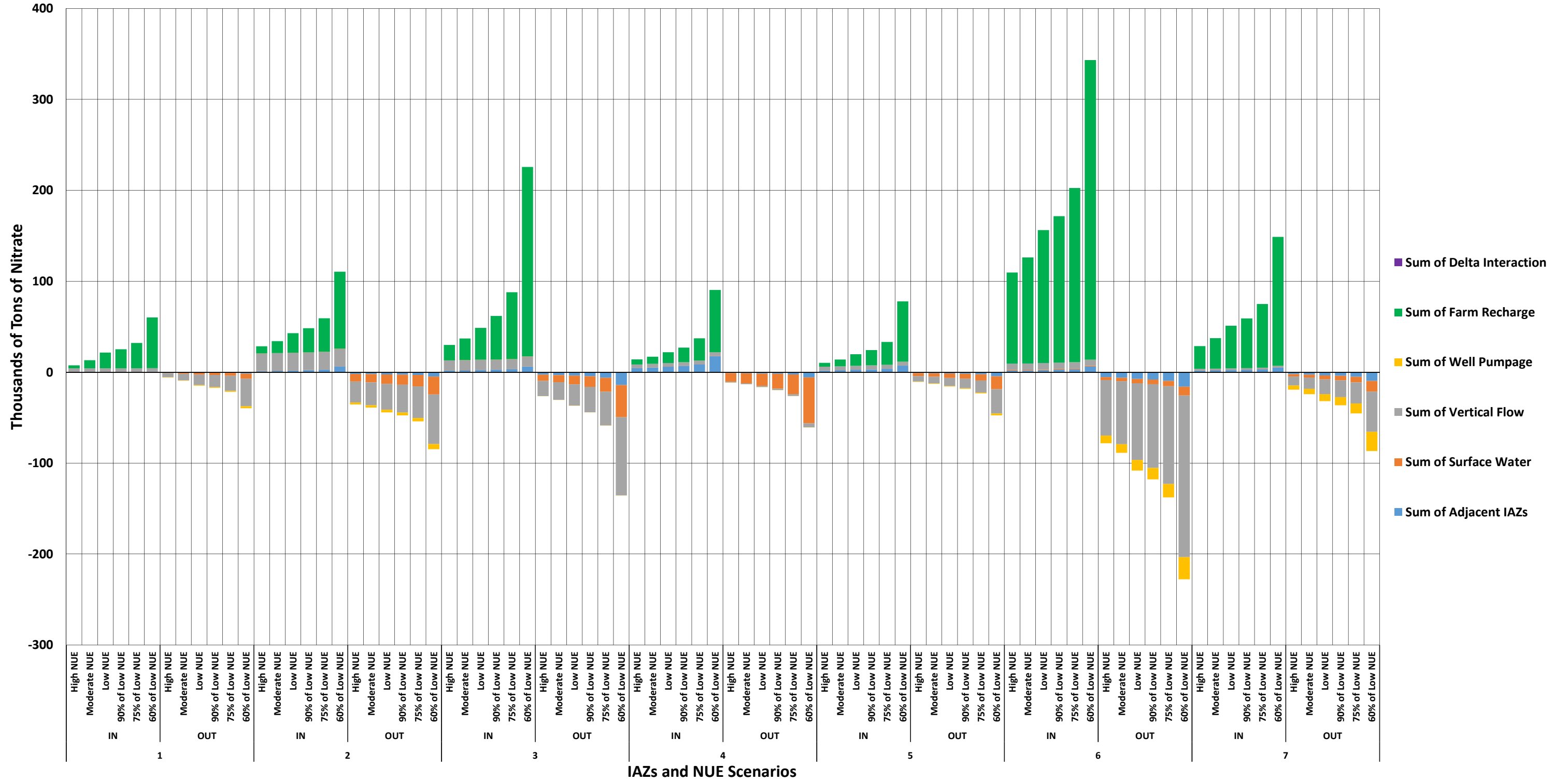
7.0						
IN						
50% of Loading	221.6	14.5	471.9	0.0	271.4	0.0
100% of Loading	294.9	14.5	471.9	0.0	542.8	0.0
200% of Loading	441.5	14.5	471.9	0.0	1085.6	0.0
OUT						
50% of Loading	-223.9	-269.4	-942.4	-428.2	0.0	0.0
100% of Loading	-245.7	-296.6	-1042.0	-476.1	0.0	0.0
200% of Loading	-289.3	-351.1	-1241.2	-571.9	0.0	0.0
8.0						
IN						
50% of Loading	454.1	226.4	453.1	1.2	825.1	0.0
100% of Loading	547.3	226.4	453.1	1.2	1650.2	0.0
200% of Loading	733.7	226.4	453.1	1.2	3300.3	0.0
OUT						
50% of Loading	-114.0	0.0	-3834.0	-350.5	0.0	0.0
100% of Loading	-125.1	0.0	-4181.7	-387.2	0.0	0.0
200% of Loading	-147.1	0.0	-4877.2	-460.4	0.0	0.0
9.0						
IN						
50% of Loading	559.2	4242.2	3239.2	0.0	1131.6	4672.0
100% of Loading	757.2	4242.2	3239.2	0.0	2263.2	4672.0
200% of Loading	1153.0	4242.2	3239.2	0.0	4526.5	4672.0
OUT						
50% of Loading	-523.2	-475.9	-8827.8	-285.2	0.0	-1573.1
100% of Loading	-544.1	-492.7	-9159.8	-296.3	0.0	-1638.6
200% of Loading	-585.9	-526.2	-9823.8	-318.5	0.0	-1769.8
10.0						
IN						
50% of Loading	144.2	514.7	1165.6	0.0	2214.6	0.0
100% of Loading	180.9	514.7	1165.6	0.0	4429.1	0.0
200% of Loading	254.2	514.7	1165.6	0.0	8858.2	0.0
OUT						
50% of Loading	-431.4	-739.7	-2448.9	-79.4	0.0	0.0
100% of Loading	-546.7	-940.6	-3127.0	-103.5	0.0	0.0
200% of Loading	-777.5	-1342.3	-4483.4	-151.5	0.0	0.0
11.0						
IN						
50% of Loading	483.8	10.6	556.0	0.0	3026.8	0.0
100% of Loading	698.0	10.6	556.0	0.0	6053.5	0.0
200% of Loading	1126.4	10.6	556.0	0.0	12107.0	0.0
OUT						
50% of Loading	-415.2	-1280.2	-2478.9	-120.4	0.0	0.0
100% of Loading	-549.9	-1687.5	-3285.6	-162.7	0.0	0.0
200% of Loading	-819.3	-2502.2	-4899.1	-247.5	0.0	0.0
12.0						
IN						
50% of Loading	366.1	1073.8	488.8	0.0	3305.9	0.0
100% of Loading	465.9	1073.8	488.8	0.0	6611.8	0.0
200% of Loading	665.5	1073.8	488.8	0.0	13223.5	0.0
OUT						
50% of Loading	-623.1	-331.9	-1660.5	-5.6	0.0	0.0
100% of Loading	-923.8	-484.0	-2447.3	-8.1	0.0	0.0
200% of Loading	-1525.2	-788.1	-4020.9	-13.1	0.0	0.0
13.0						
IN						
50% of Loading	608.9	778.0	882.8	0.0	2111.2	0.0

100% of Loading	760.9	778.0	882.8	0.0	4222.5	0.0
200% of Loading	1065.1	778.0	882.8	0.0	8444.9	0.0
OUT						
50% of Loading	-232.1	-34.7	-5921.1	-863.9	0.0	0.0
100% of Loading	-269.2	-40.6	-6821.4	-1001.1	0.0	0.0
200% of Loading	-343.3	-52.4	-8621.9	-1275.5	0.0	0.0
14.0						
IN						
50% of Loading	494.1	2.1	3333.5	0.0	11320.7	0.0
100% of Loading	572.7	2.1	3333.5	0.0	22641.5	0.0
200% of Loading	729.8	2.1	3333.5	0.0	45283.0	0.0
OUT						
50% of Loading	-913.9	0.0	-42322.0	-5207.6	0.0	0.0
100% of Loading	-947.7	0.0	-44712.3	-5523.4	0.0	0.0
200% of Loading	-1015.3	0.0	-49492.9	-6154.8	0.0	0.0
15.0						
IN						
50% of Loading	3085.3	1337.4	3753.3	0.0	5486.9	0.0
100% of Loading	3283.7	1337.4	3753.3	0.0	10973.8	0.0
200% of Loading	3680.6	1337.4	3753.3	0.0	21947.7	0.0
OUT						
50% of Loading	-653.9	-17.5	-25556.5	-14069.3	0.0	0.0
100% of Loading	-718.9	-18.4	-27626.8	-15063.4	0.0	0.0
200% of Loading	-848.9	-20.1	-31767.4	-17051.6	0.0	0.0
16.0						
IN						
50% of Loading	472.0	32.5	483.7	0.0	1191.1	0.0
100% of Loading	580.8	32.5	483.7	0.0	1414.6	0.0
200% of Loading	798.3	32.5	483.7	0.0	1861.5	0.0
OUT						
50% of Loading	-1010.6	0.0	-2414.7	-784.9	0.0	0.0
100% of Loading	-1061.6	0.0	-2542.1	-833.2	0.0	0.0
200% of Loading	-1163.8	0.0	-2797.0	-929.9	0.0	0.0
17.0						
IN						
50% of Loading	705.3	150.5	388.7	0.0	1604.1	0.0
100% of Loading	758.0	150.5	388.7	0.0	3208.3	0.0
200% of Loading	863.4	150.5	388.7	0.0	6416.6	0.0
OUT						
50% of Loading	-653.5	0.0	-3377.5	-1254.9	0.0	0.0
100% of Loading	-808.4	0.0	-4128.0	-1490.4	0.0	0.0
200% of Loading	-1118.2	0.0	-5629.1	-1961.5	0.0	0.0
18.0						
IN						
50% of Loading	1870.4	775.8	2457.2	0.0	2887.6	0.0
100% of Loading	2047.7	775.8	2457.2	0.0	5566.6	0.0
200% of Loading	2402.2	775.8	2457.2	0.0	10924.8	0.0
OUT						
50% of Loading	-357.5	0.0	-8642.2	-7686.6	0.0	0.0
100% of Loading	-407.3	0.0	-9800.9	-8662.9	0.0	0.0
200% of Loading	-506.9	0.0	-12118.3	-10615.6	0.0	0.0
19.0						
IN						
50% of Loading	1613.1	0.0	2804.9	0.0	14891.9	0.0
100% of Loading	1739.0	0.0	2804.9	0.0	29783.8	0.0
200% of Loading	1990.8	0.0	2804.9	0.0	59567.5	0.0
OUT						

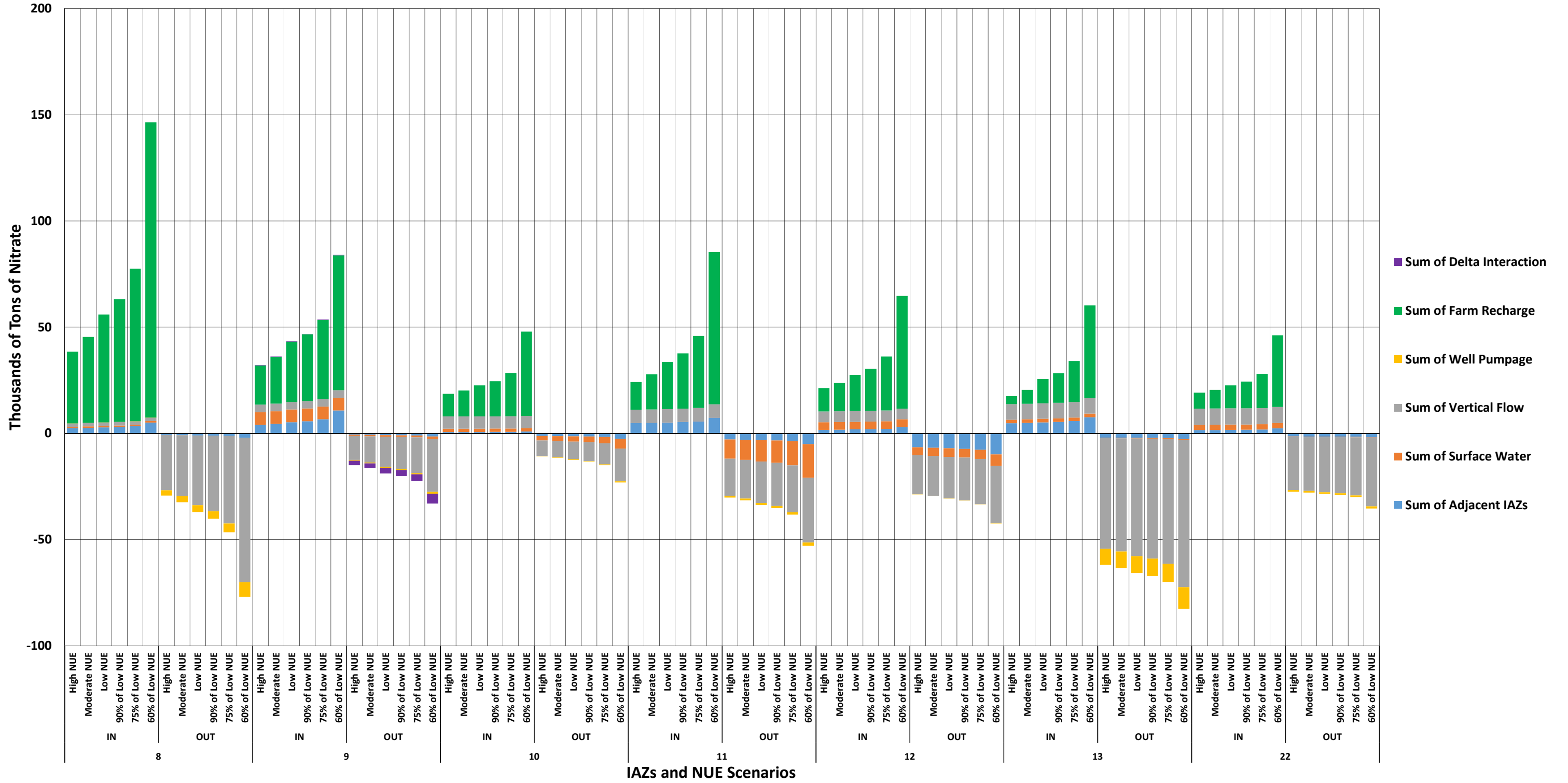
50% of Loading	-3494.3	0.0	-66591.0	-20550.0	0.0	0.0
100% of Loading	-3731.8	0.0	-70192.3	-21669.7	0.0	0.0
200% of Loading	-4206.9	0.0	-77395.0	-23909.1	0.0	0.0
20.0						
IN						
50% of Loading	1756.7	38.9	1817.8	0.0	1639.8	0.0
100% of Loading	1890.4	38.9	1817.8	0.0	3210.5	0.0
200% of Loading	2157.7	38.9	1817.8	0.0	6351.9	0.0
OUT						
50% of Loading	-2035.9	0.0	-6362.6	-559.5	0.0	0.0
100% of Loading	-2227.0	0.0	-6962.4	-608.5	0.0	0.0
200% of Loading	-2609.2	0.0	-8161.9	-706.5	0.0	0.0
21.0						
IN						
50% of Loading	1349.0	305.3	1060.8	0.0	4157.4	0.0
100% of Loading	1468.3	305.3	1060.8	0.0	7904.5	0.0
200% of Loading	1706.9	305.3	1060.8	0.0	15398.6	0.0
OUT						
50% of Loading	-2058.1	0.0	-11030.8	-2168.3	0.0	0.0
100% of Loading	-2208.4	0.0	-12090.6	-2417.0	0.0	0.0
200% of Loading	-2509.0	0.0	-14210.1	-2914.5	0.0	0.0
22.0						
IN						
50% of Loading	259.8	2371.3	2431.6	0.0	8901.7	0.0
100% of Loading	300.1	2371.3	2431.6	0.0	17803.3	0.0
200% of Loading	380.9	2371.3	2431.6	0.0	35606.7	0.0
OUT						
50% of Loading	-698.4	-99.5	-11436.4	-365.1	0.0	0.0
100% of Loading	-836.0	-118.8	-13744.9	-451.9	0.0	0.0
200% of Loading	-1111.3	-157.4	-18361.9	-625.3	0.0	0.0

Comparing Total Inflows and Outflows of Nitrate Mass in Shallow Groundwater Over 20-Year Model Period 1983-2003

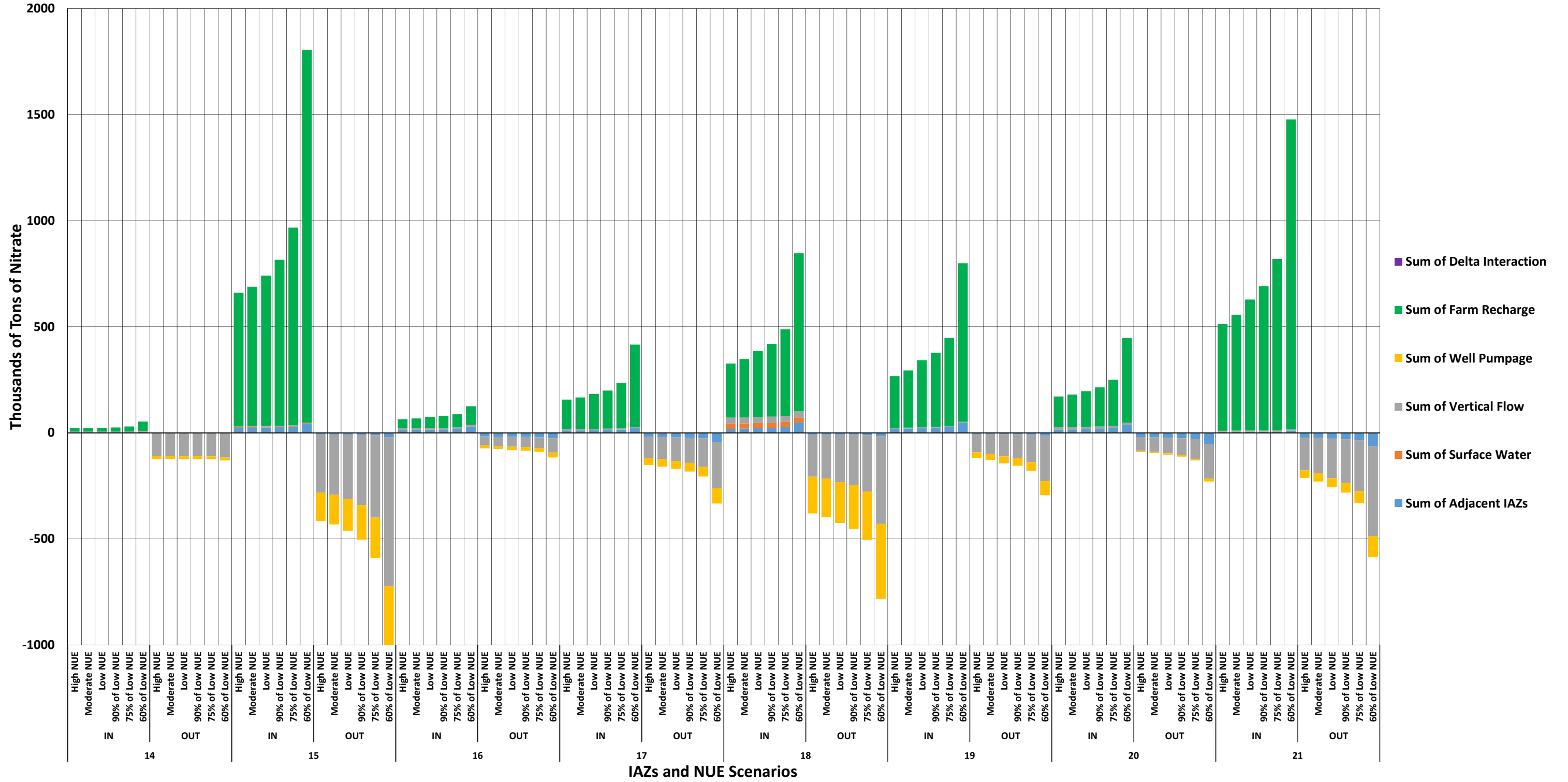
Nothern Central Valley IAZs: 1-7



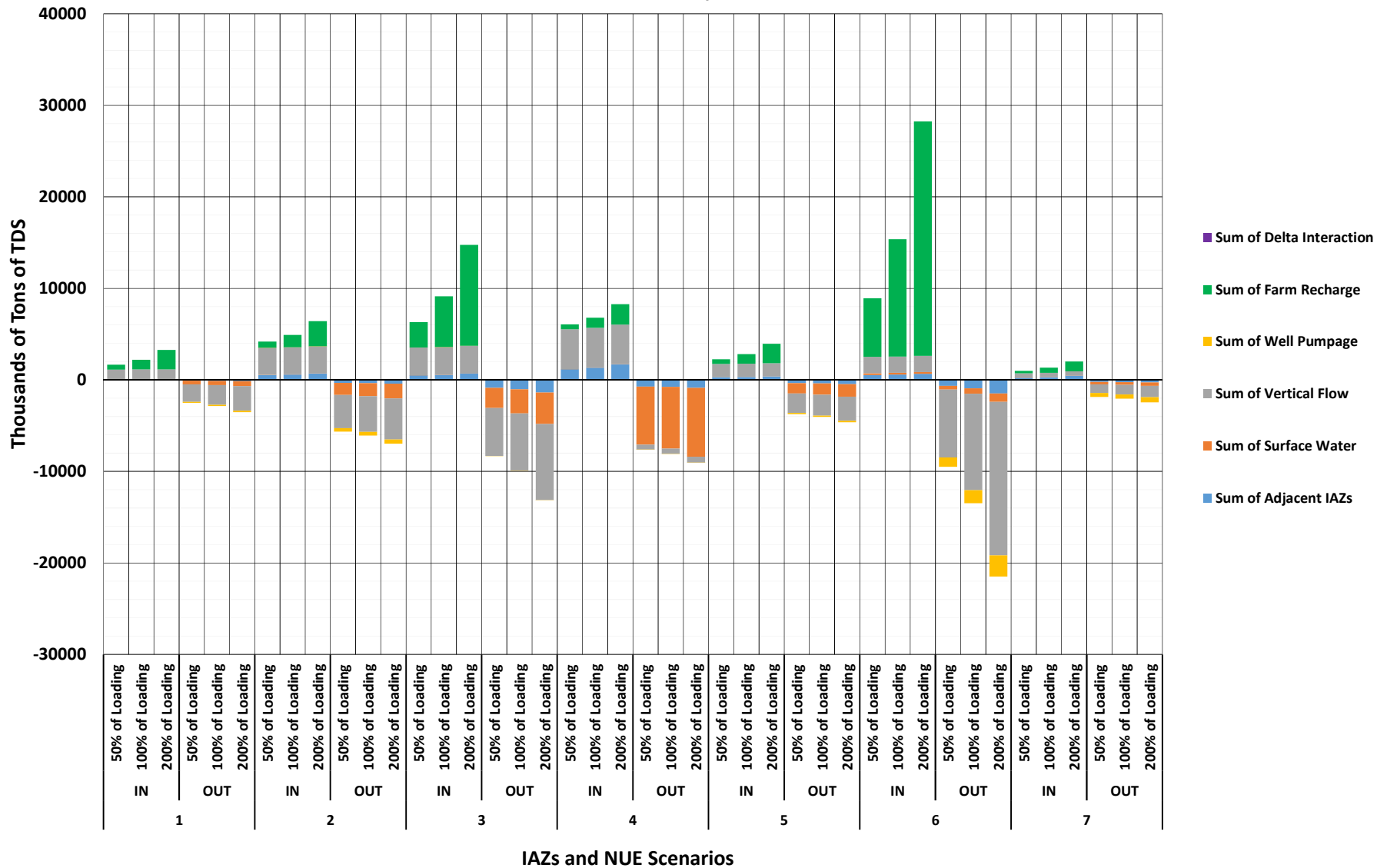
Comparing Total Inflows and Outflows of Nitrate Mass in Shallow Groundwater Over 20-Year Model Period 1983-2003 Middle Central Valley IAZs: 8-13 and 22



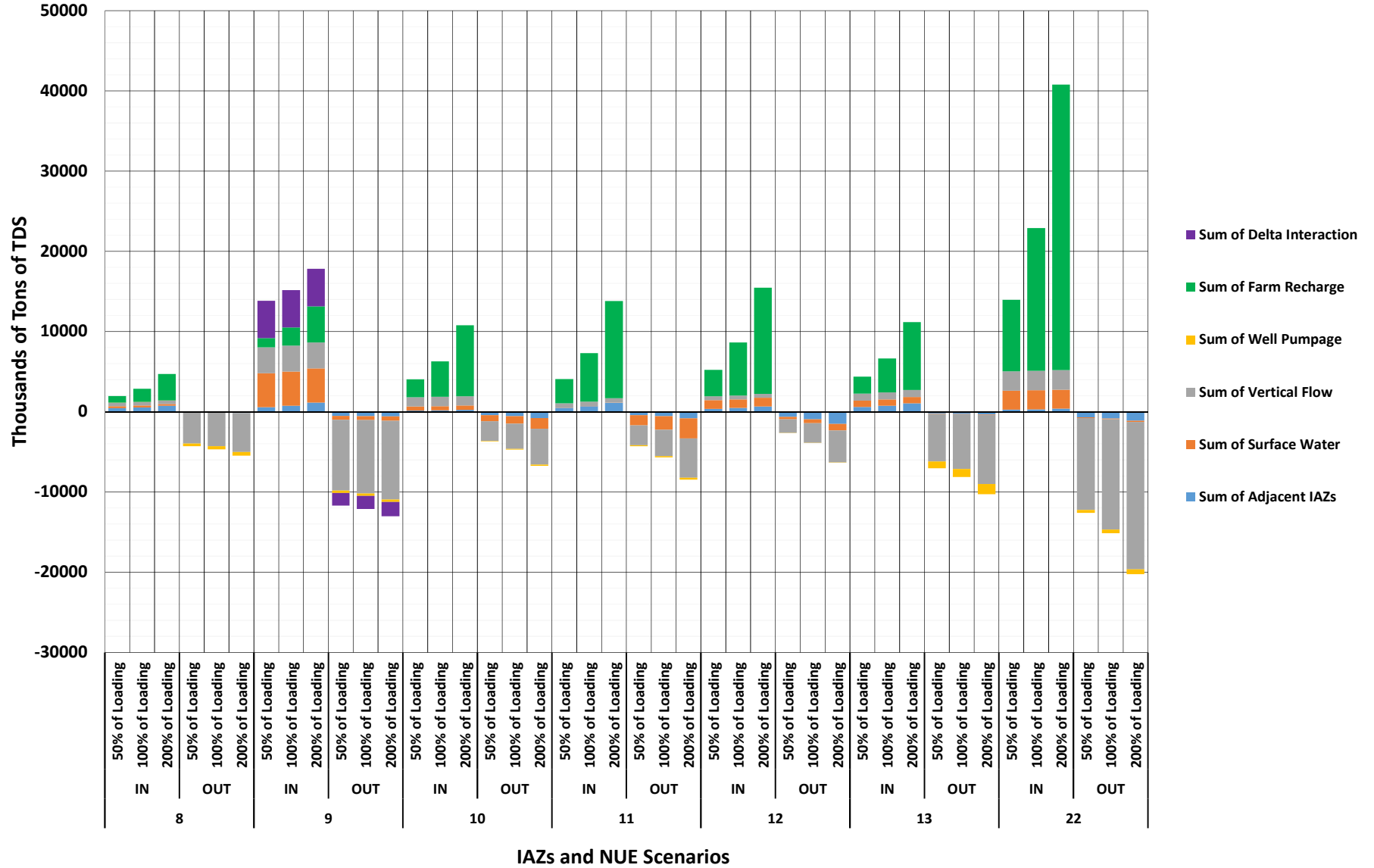
Comparing Total Inflows and Outflows of Nitrate Mass in Shallow Groundwater Over 20-Year Model Period 1983-2003 Southern Central Valley IAZs: 14-21



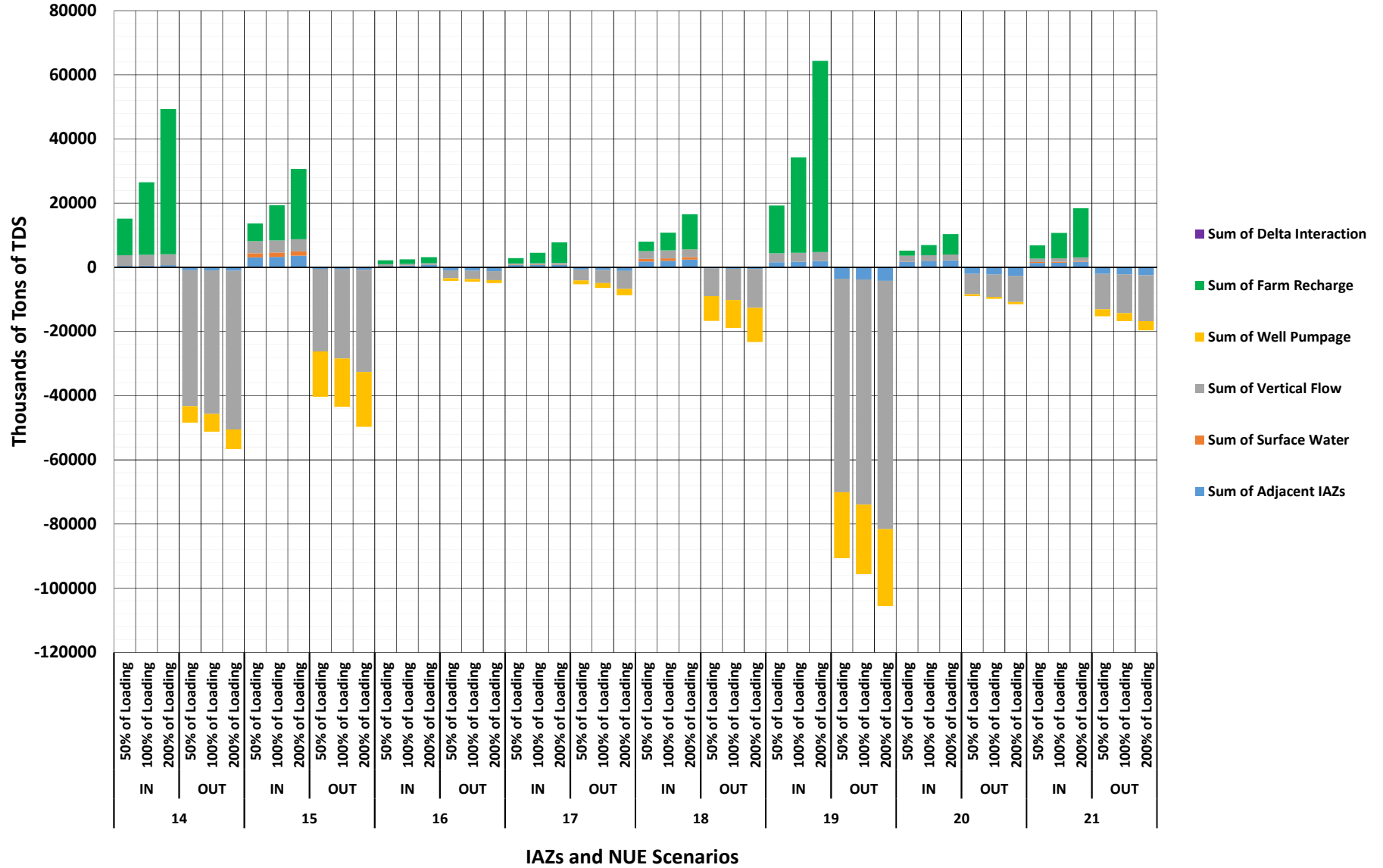
Comparing Total Inflows and Outflows of TDS Mass in Shallow Groundwater Over 20-Year Model Period 1983-2003
Northern Central Valley IAZs: 1-7



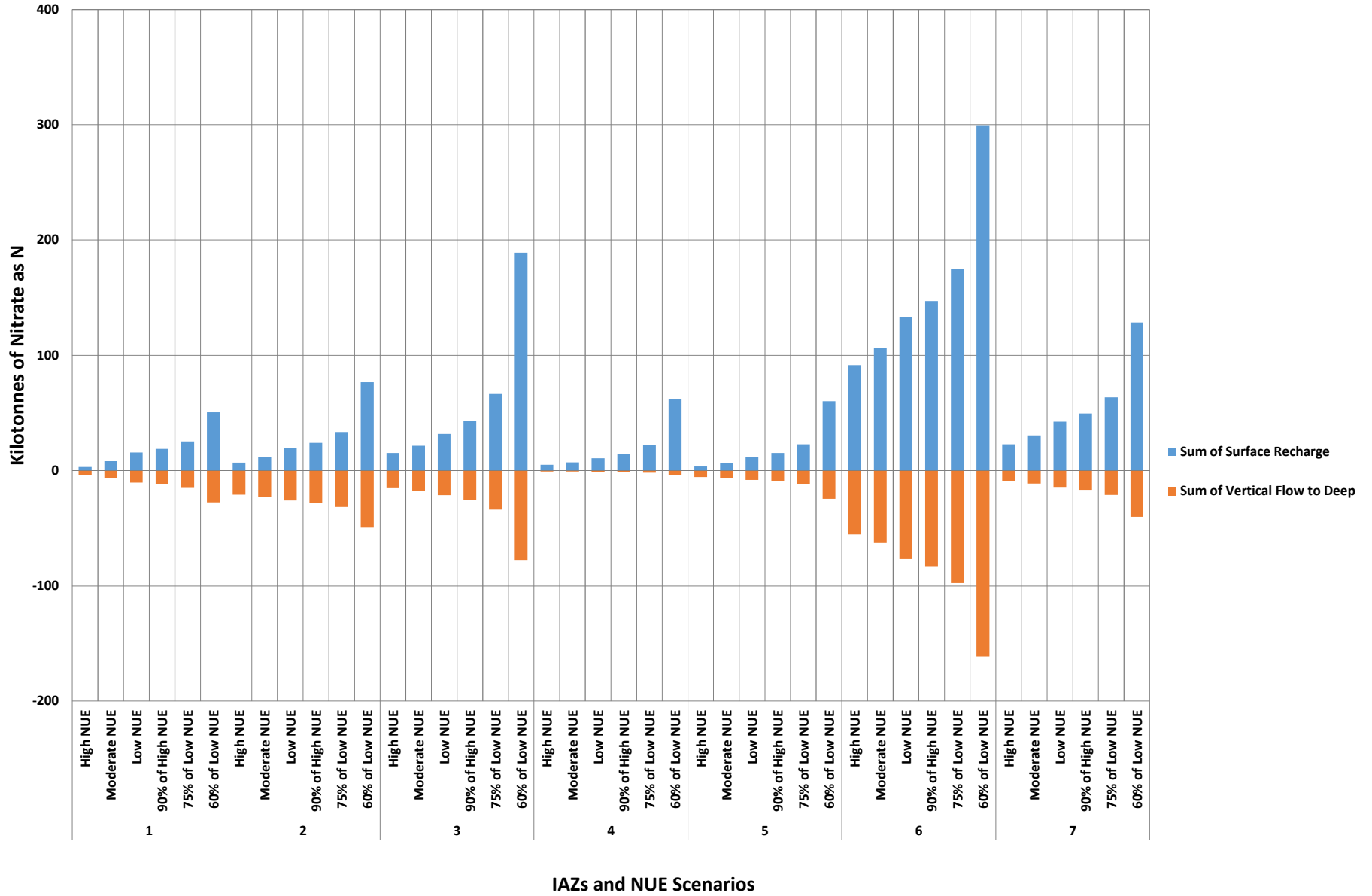
**Comparing Total Inflows and Outflows of TDS Mass in Shallow Groundwater Over 20-Year Model Period 1983-2003
Middle Central Valley IAZs: 8-13, 22**



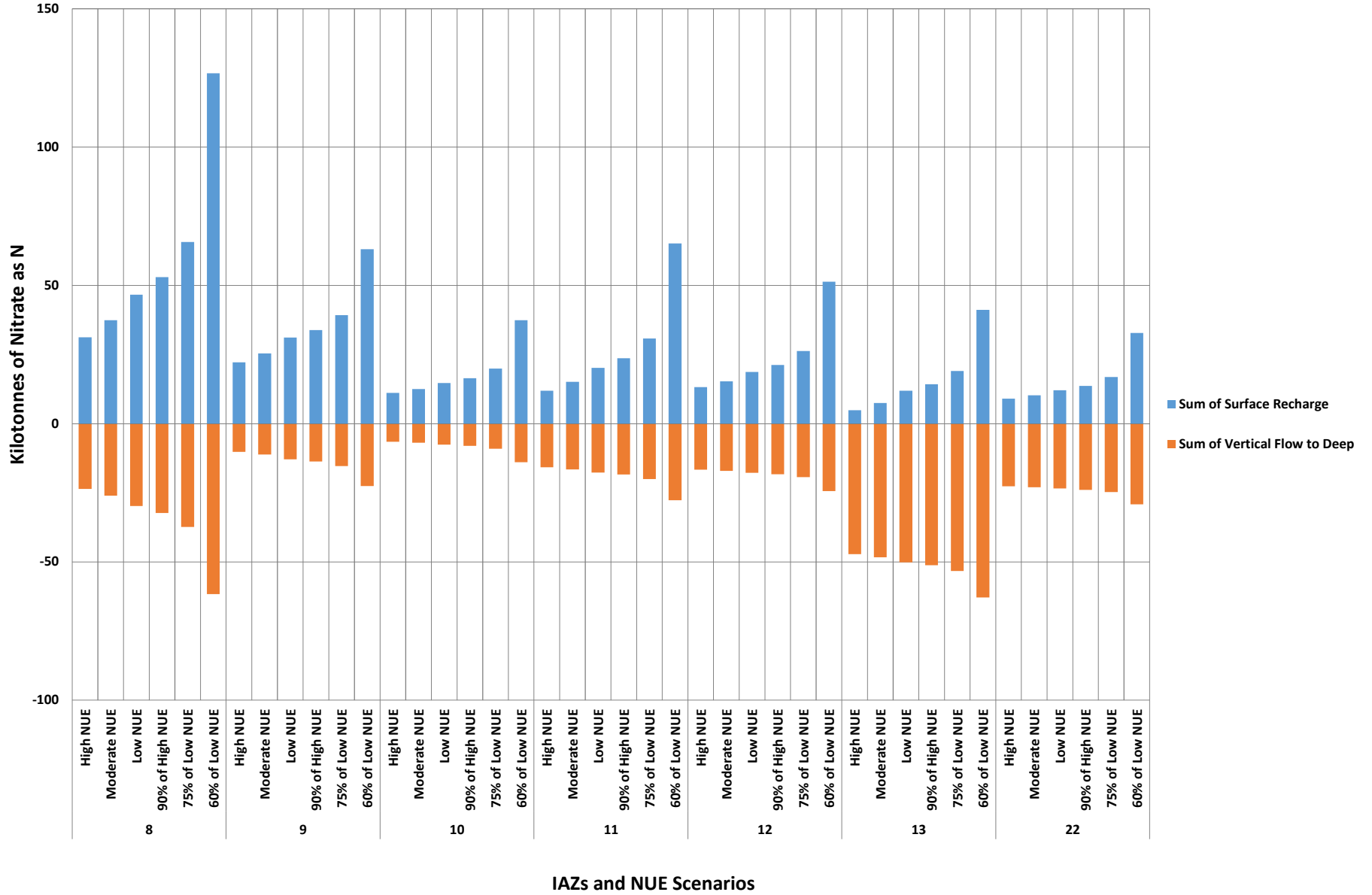
**Comparing Total Inflows and Outflows of TDS Mass in Shallow Groundwater Over 20-Year Model Period 1983-2003
Southern Central Valley IAZs: 14-21**



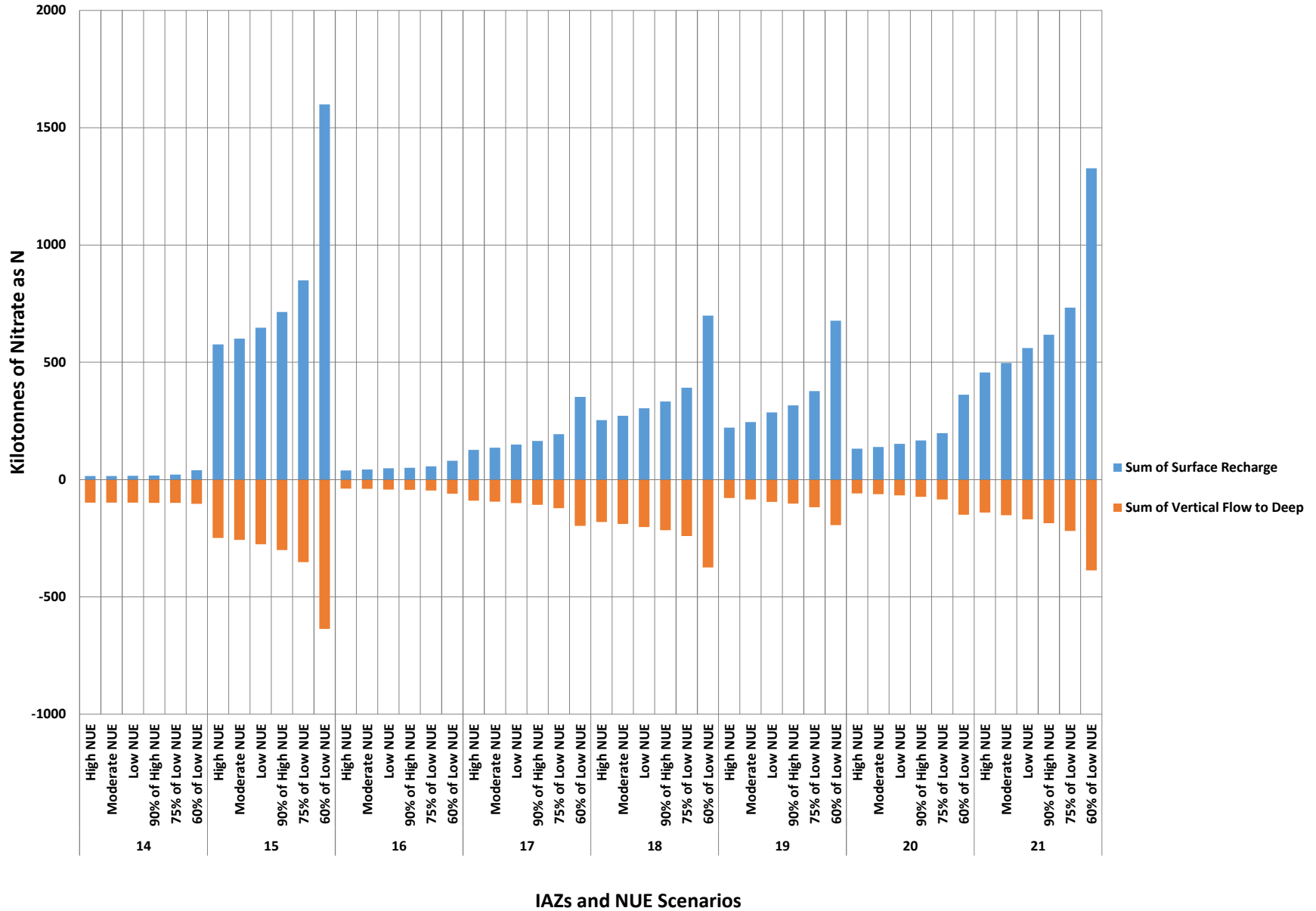
**Comparing Total Nitrate Surface Recharge and Vertical Flow to Deep Over 20-Year Model Period 1983-2003
Nothern Central Valley IAZs: 1-7**



**Comparing Total Nitrate Surface Recharge and Vertical Flow to Deep Over 20-Year Model Period 1983-2003
Middle Central Valley IAZs: 18-13 and 22**

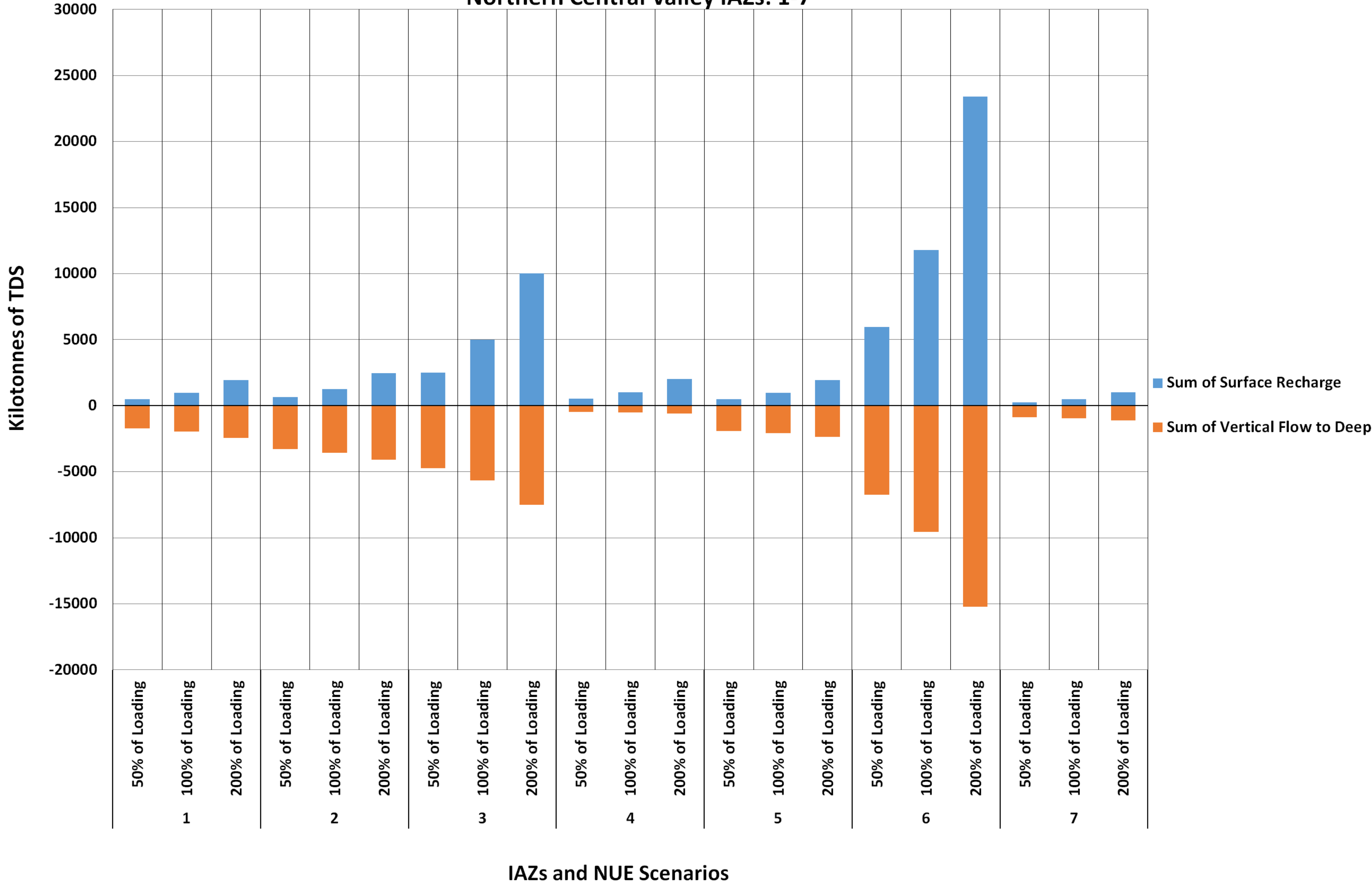


**Comparing Total Nitrate Surface Recharge and Vertical Flow to Deep Over 20-Year Model Period 1983-2003
Southern Central Valley IAZs: 14-21**



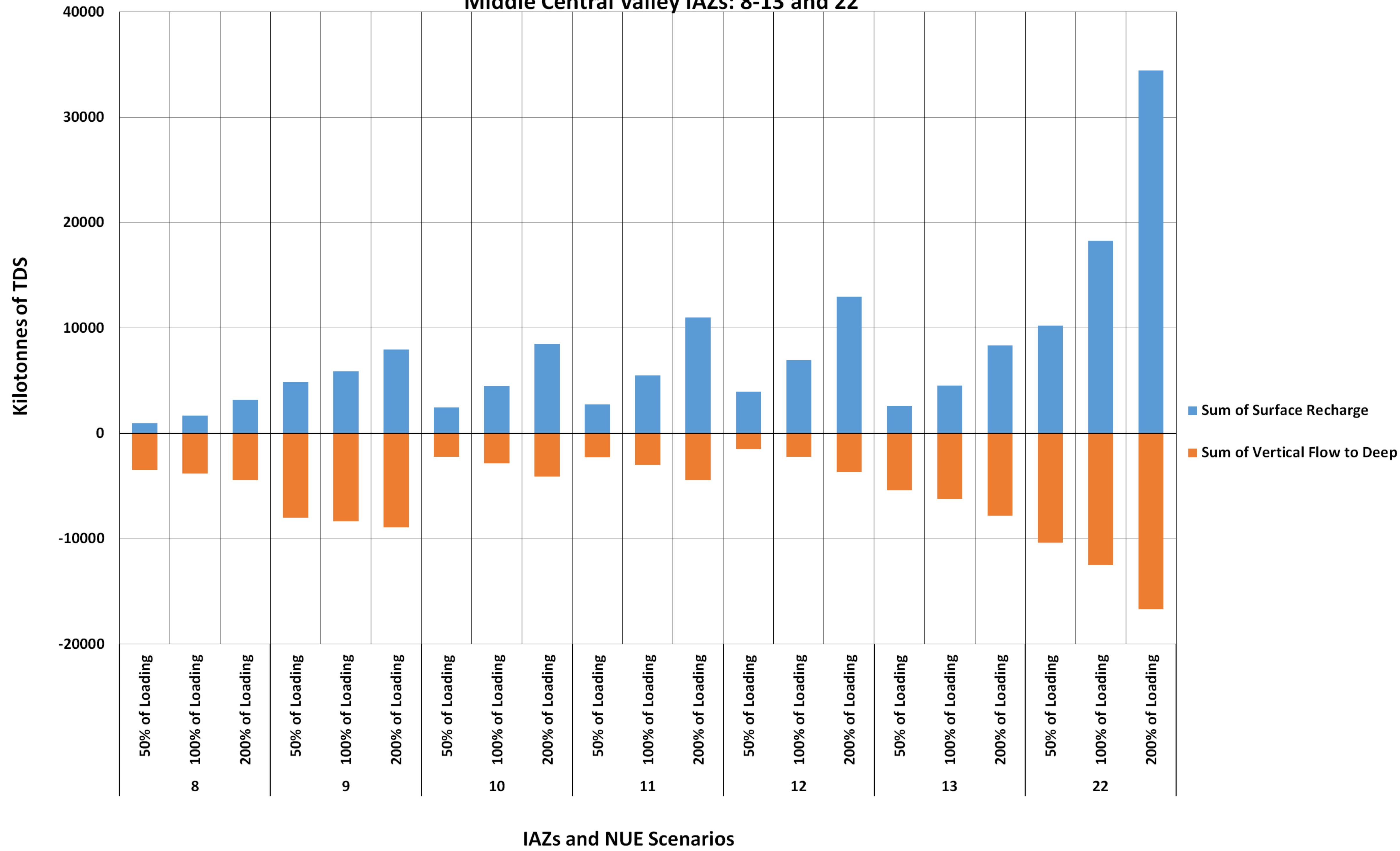
Comparing Total TDS Surface Recharge To Shallow Part of Aquifer System and Vertical Flow to Deep Aquifer system Over 20-Year Model Period 1983-2003

Northern Central Valley IAZs: 1-7



Comparing Total TDS Surface Recharge To Shallow Part of Aquifer System and Vertical Flow to Deep Aquifer system Over 20-Year Model Period 1983-2003

Middle Central Valley IAZs: 8-13 and 22



Comparing Total TDS Surface Recharge To Shallow Part of Aquifer System and Vertical Flow to Deep Aquifer system Over 20-Year Model Period 1983-2003

Southern Central Valley IAZs: 14-21

