

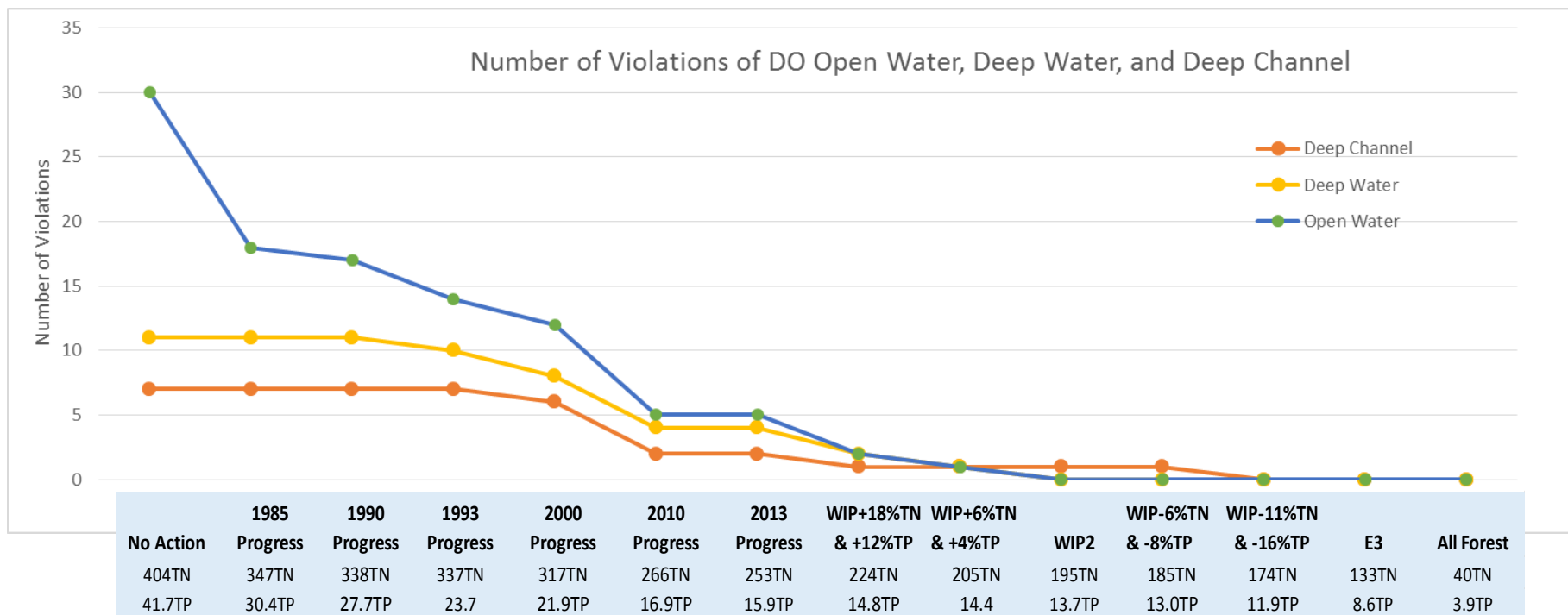
CAST Changes

- Updated manure transport
- Fixed a problem with water extractable P in counties that have more than one land segment.
 - P loads decreased in those counties
- Updated No action and E3 for to reflect CSO flows

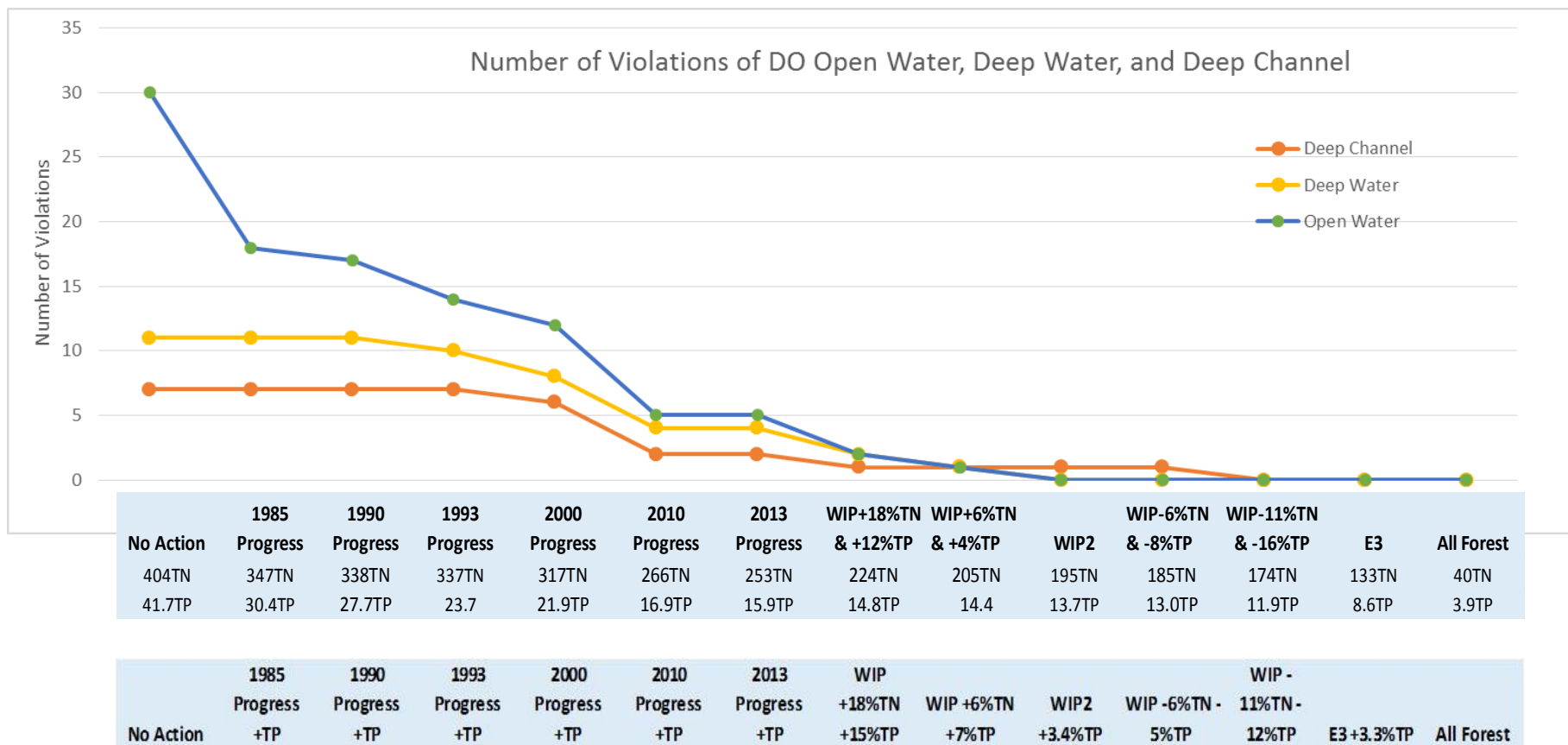
What does this mean in light of WQGIT decisions

- Calibration unchanged (whew!)
- Scenarios run through the WQSTM have a different meaning

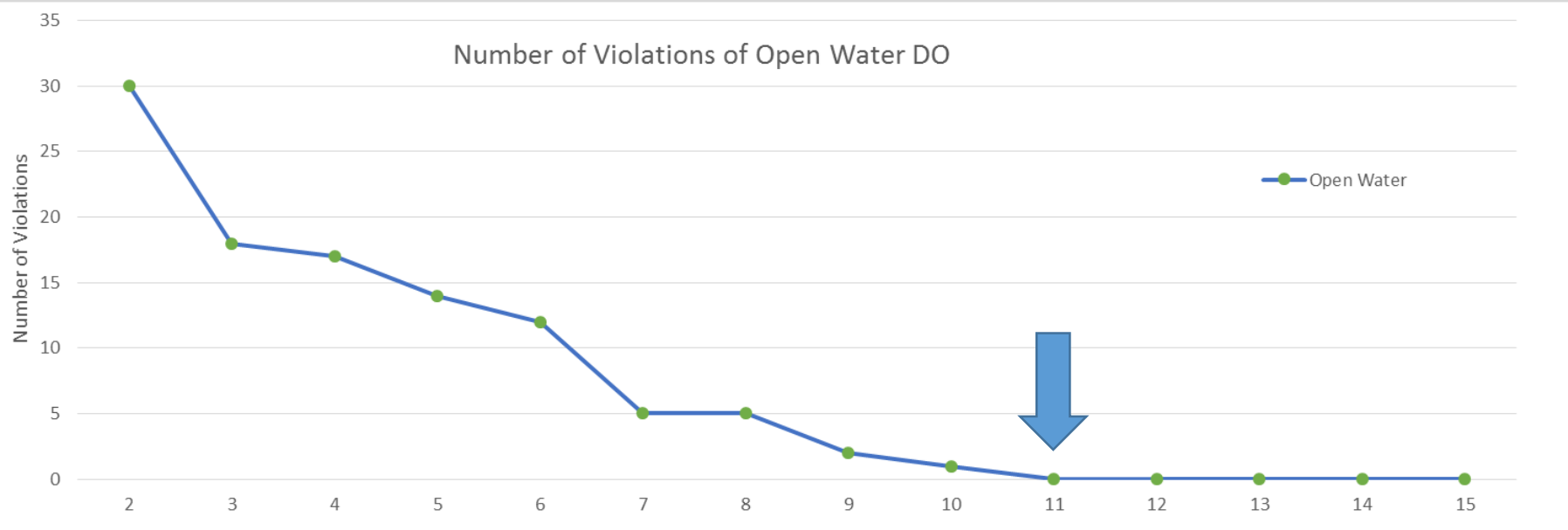
As presented to WQGIT



New Meaning for Scenarios

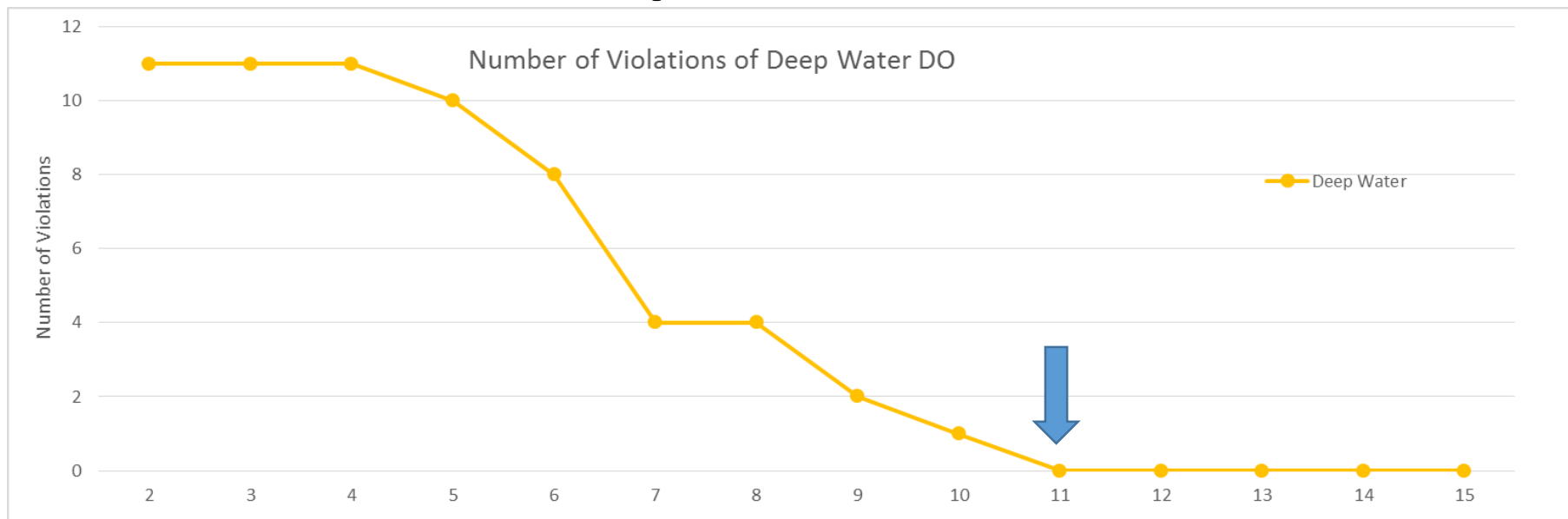


Segments Attaining Oxygen Standards: Open-Water Use



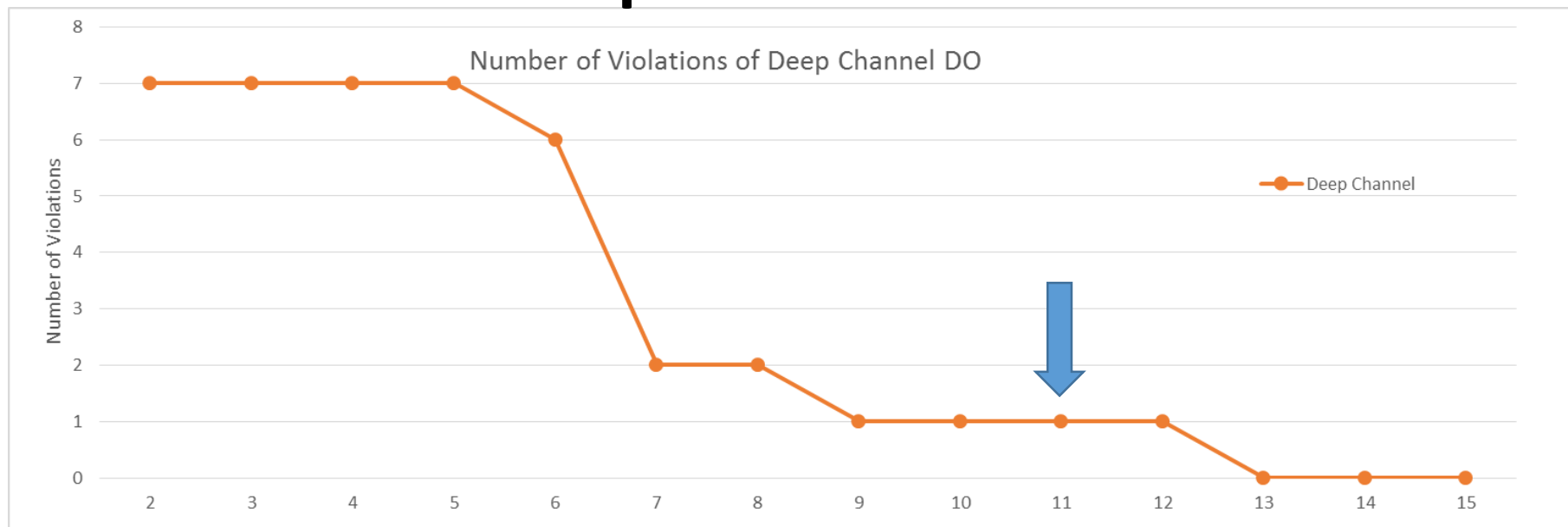
No Action	1985 Progress +TP	1990 Progress +TP	1993 Progress +TP	2000 Progress +TP	2010 Progress +TP	2013 Progress +TP	WIP +18%TN +15%TP	WIP +6%TN +7%TP	WIP2 +3.4%TP	WIP -6%TN - 5%TP	WIP - 11%TN - 12%TP	E3 +3.3%TP	All Forest
404TN 41.7TP	347TN 30.4TP	338TN 27.7TP	337TN 23.7	317TN 21.9TP	266TN 16.9TP	253TN 15.9TP	224TN 14.8TP	205TN 14.4	195TN 13.7TP	185TN 13.0TP	174TN 11.9TP	133TN 8.6TP	40TN 3.9TP

Segments Attaining Oxygen Standards: Deep-Water Use



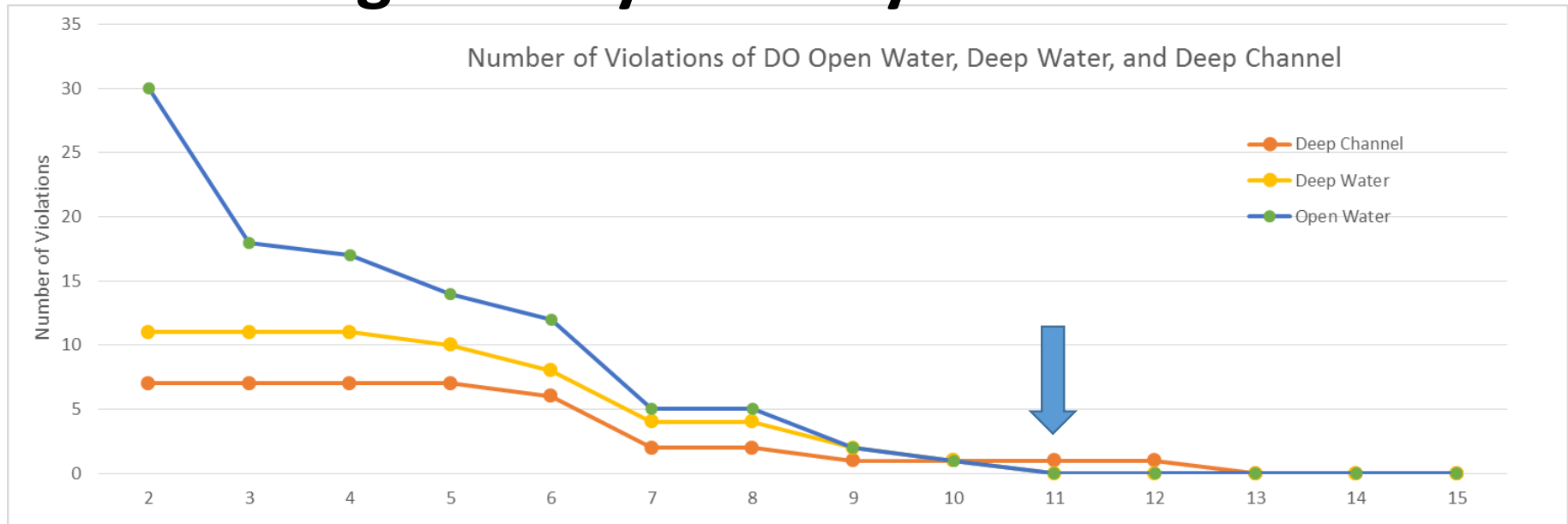
No Action	1985 Progress +TP	1990 Progress +TP	1993 Progress +TP	2000 Progress +TP	2010 Progress +TP	2013 Progress +TP	WIP +18%TN +15%TP	WIP +6%TN +7%TP	WIP2 +3.4%TP	WIP -6%TN - 5%TP	WIP - 11%TN - 12%TP	E3 +3.3%TP	All Forest
404TN	347TN	338TN	337TN	317TN	266TN	253TN	224TN	205TN	195TN	185TN	174TN	133TN	40TN
41.7TP	30.4TP	27.7TP	23.7	21.9TP	16.9TP	15.9TP	14.8TP	14.4	13.7TP	13.0TP	11.9TP	8.6TP	3.9TP

Segments Attaining Oxygen Standards: Deep-Channel Use



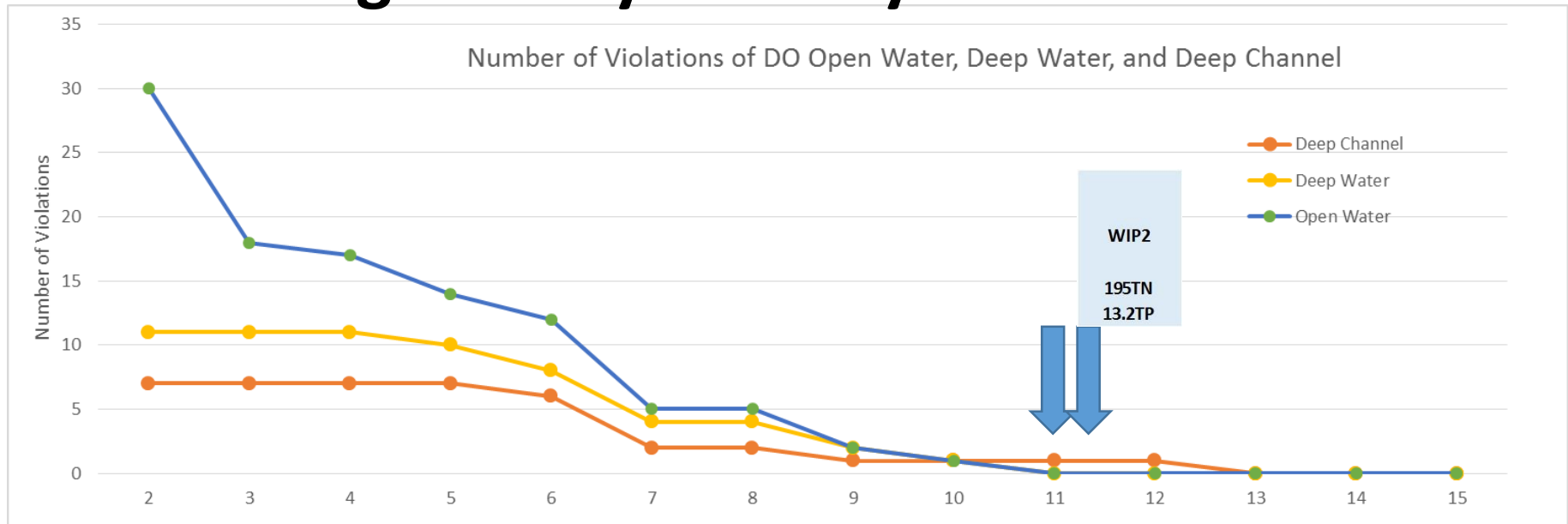
No Action	1985 Progress +TP	1990 Progress +TP	1993 Progress +TP	2000 Progress +TP	2010 Progress +TP	2013 Progress +TP	WIP +18%TN +15%TP	WIP +6%TN +7%TP	WIP2 +3.4%TP	WIP -6%TN - 5%TP	WIP - 11%TN - 12%TP	E3 +3.3%TP	All Forest
404TN	347TN	338TN	337TN	317TN	266TN	253TN	224TN	205TN	195TN	185TN	174TN	133TN	40TN
41.7TP	30.4TP	27.7TP	23.7	21.9TP	16.9TP	15.9TP	14.8TP	14.4	13.7TP	13.0TP	11.9TP	8.6TP	3.9TP

Determining the Bay's Ability to Absorb Pollutants



No Action	1985 Progress +TP	1990 Progress +TP	1993 Progress +TP	2000 Progress +TP	2010 Progress +TP	2013 Progress +TP	WIP +18%TN +15%TP	WIP +6%TN +7%TP	WIP2 +3.4%TP	WIP -6%TN - 5%TP	WIP - 11%TN - 12%TP	E3 +3.3%TP	All Forest
404TN	347TN	338TN	337TN	317TN	266TN	253TN	224TN	205TN	195TN	185TN	174TN	133TN	40TN
41.7TP	30.4TP	27.7TP	23.7	21.9TP	16.9TP	15.9TP	14.8TP	14.4	13.7TP	13.0TP	11.9TP	8.6TP	3.9TP

Determining the Bay's Ability to Absorb Pollutants



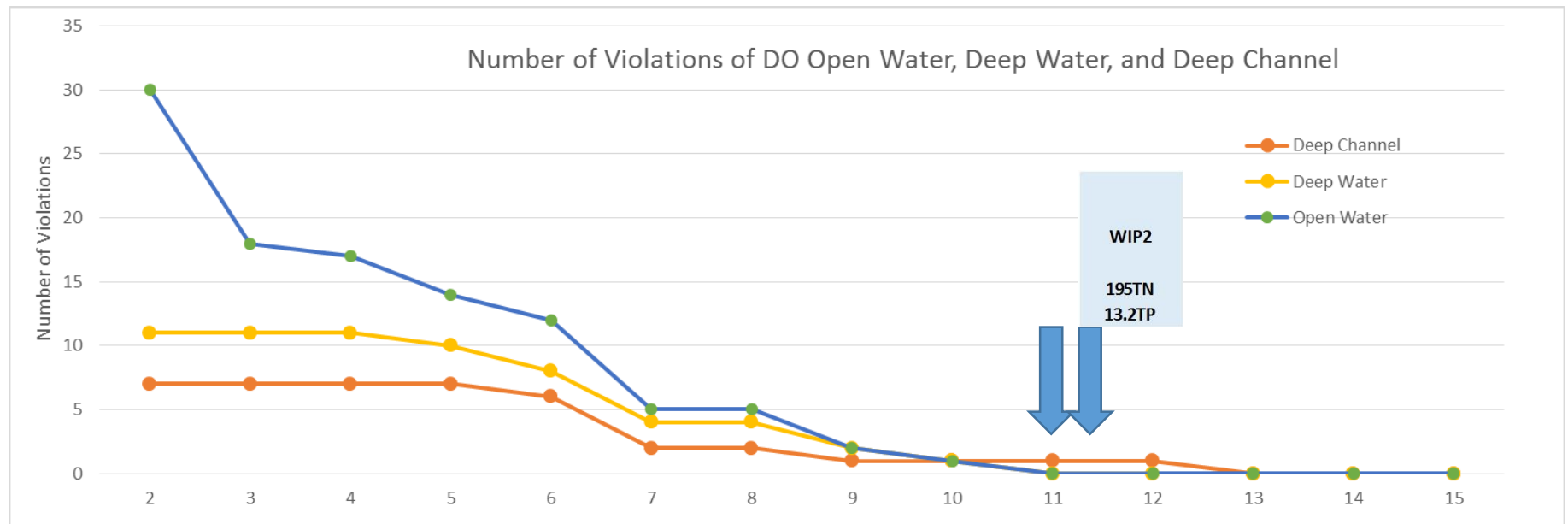
No Action	1985 Progress +TP	1990 Progress +TP	1993 Progress +TP	2000 Progress +TP	2010 Progress +TP	2013 Progress +TP	WIP +18%TN +15%TP	WIP +6%TN +7%TP	WIP2 +3.4%TP	WIP -6%TN - 5%TP	WIP - 11%TN - 12%TP	E3 +3.3%TP	All Forest
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Question for WQGIT:

Stay with decision at 195TN and 13.7 TP

Or

Stay with decision at WIP2 LOE



No Action	1985 Progress +TP	1990 Progress +TP	1993 Progress +TP	2000 Progress +TP	2010 Progress +TP	2013 Progress +TP	WIP +18%TN +15%TP	WIP +6%TN +7%TP	WIP2 +3.4%TP	WIP -6%TN - 5%TP	WIP - 11%TN - 12%TP	E3 +3.3%TP	All Forest
404TN 41.7TP	347TN 30.4TP	338TN 27.7TP	337TN 23.7	317TN 21.9TP	266TN 16.9TP	253TN 15.9TP	224TN 14.8TP	205TN 14.4	195TN 13.7TP	185TN 13.0TP	174TN 11.9TP	133TN 8.6TP	40TN 3.9TP

Nitrogen				P Target	P Target	P Target
State	Pr2009	Pr2013	WIP2	WQGIT	Load-Base	WIP LOE
DC	2.76	1.75	2.43	2.25	2.43	2.43
DE	6.77	6.59	4.11	4.66	4.59	4.59
MD	57.24	55.89	47.29	45.39	45.30	45.30
NY	14.57	15.44	12.14	10.62	10.59	10.59
PA	100.52	99.28	69.83	72.99	73.18	73.18
VA	68.54	61.53	51.47	56.37	55.82	55.82
WV	8.08	8.06	7.82	6.36	6.35	6.35
Total	258.49	248.54	195.09	198.64	198.25	198.25

- N loads stayed mostly the same in scenarios, but DC took a larger share of the planning targets so most other jurisdictions slightly disadvantaged.
- Cast Updates did not change N, so Load-based and WIP LOE are the same

Phosphorus				P Target	P Target	P Target
State	Pr2009	Pr2013	WIP2	WQGIT	Load-Base	WIP LOE
DC	0.07	0.06	0.14	0.12	0.13	0.13
DE	0.12	0.12	0.09	0.12	0.12	0.12
MD	4.01	3.92	3.56	3.55	3.60	3.53
NY	0.74	0.71	0.53	0.49	0.51	0.50
PA	3.98	3.70	3.10	3.01	3.07	2.98
VA	7.03	6.35	5.33	6.41	6.19	6.06
WV	0.65	0.56	0.46	0.49	0.46	0.44
Total	16.62	15.41	13.21	14.20	14.07	13.75

- P loads were mostly lowered by the changes for all scenarios. Some effort was moved to other jurisdictions from DC
- Load-based assimilative capacity have higher planning targets than WIP level of effort