Whooping Cranes, 70,000 Tons of Sand, and The Platte River





Libby Casavant, P.E. Headwaters Corporation









Assess

Problem







60 – 80K tons sediment/ year, mechanically removed from high terraces and spread over channel.



Monitor



PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM

Monitored with annual topo-bathymetric LiDAR & hydraulic modeling





Since starting augmentation, less erosion and some aggradation has occurred

but there is a lot of year-to-to year variability.



Evaluate





Since 2009, lateral erosion has been made up over half of total erosion.





Conclusion: It is very hard to separate how the river may be *naturally adjusting* from what our *augmentation* is doing.

So how do we evaluate the necessity of augmentation?



Thank you! Questions?