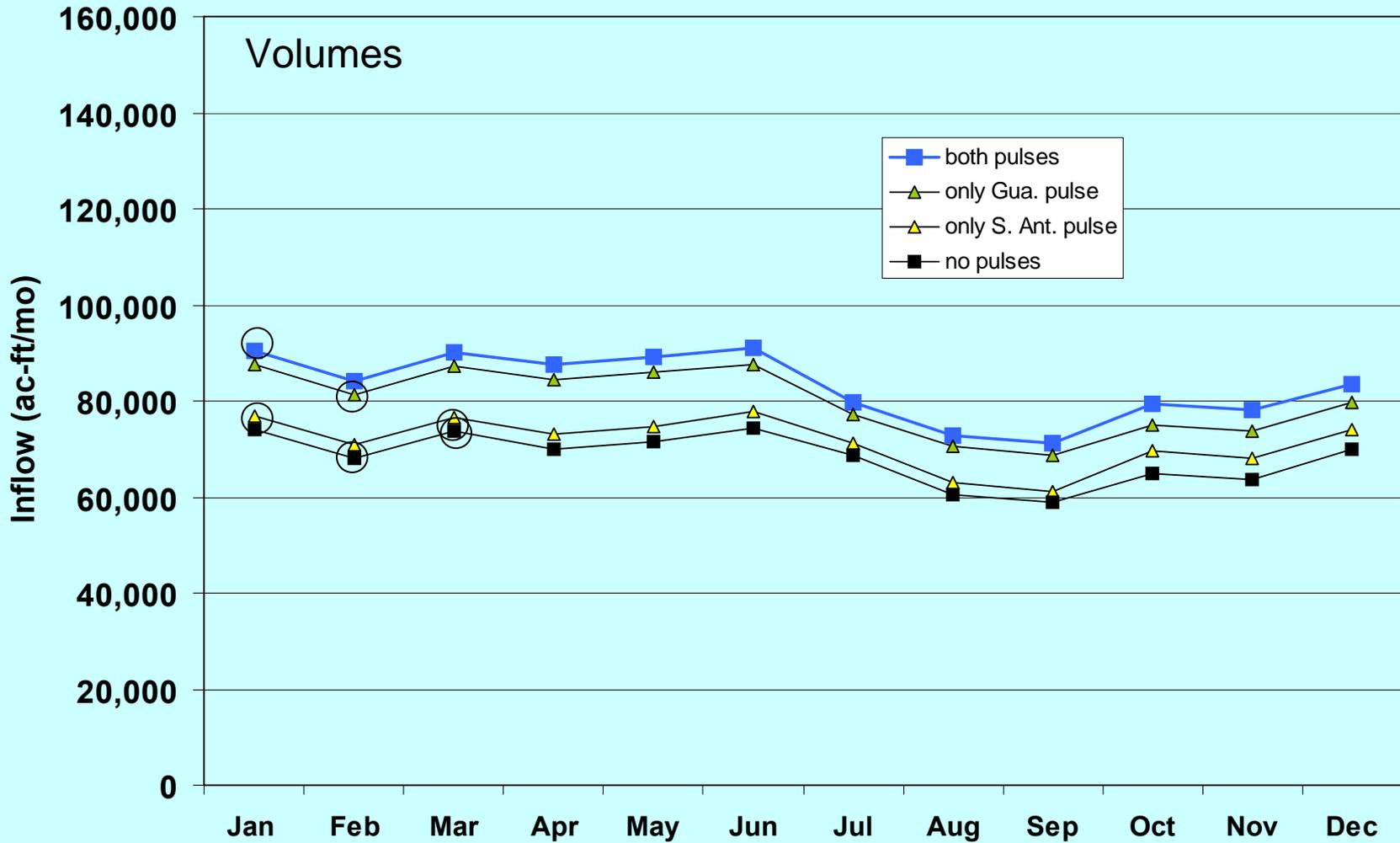


SAC Exercise: HEFR – Derived Inflows for the Guadalupe Estuary, NWF's Perspective.

Norman Johns,
National Wildlife Federation
Feb. 4, 2009

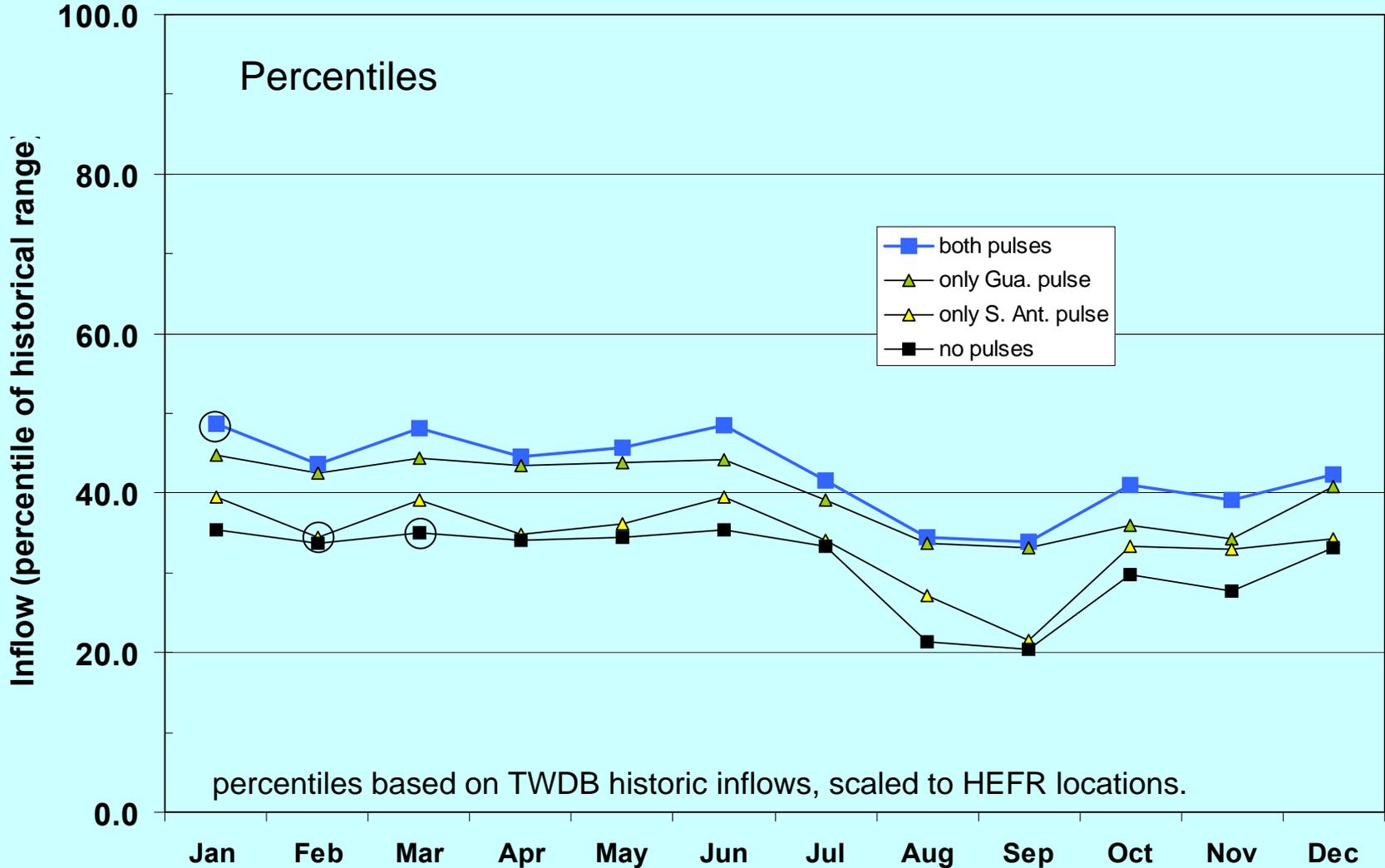
SAC: HEFR - Guadalupe Estuary Linkage Exercise

AVG Conditions - inflow range due to high pulse timing



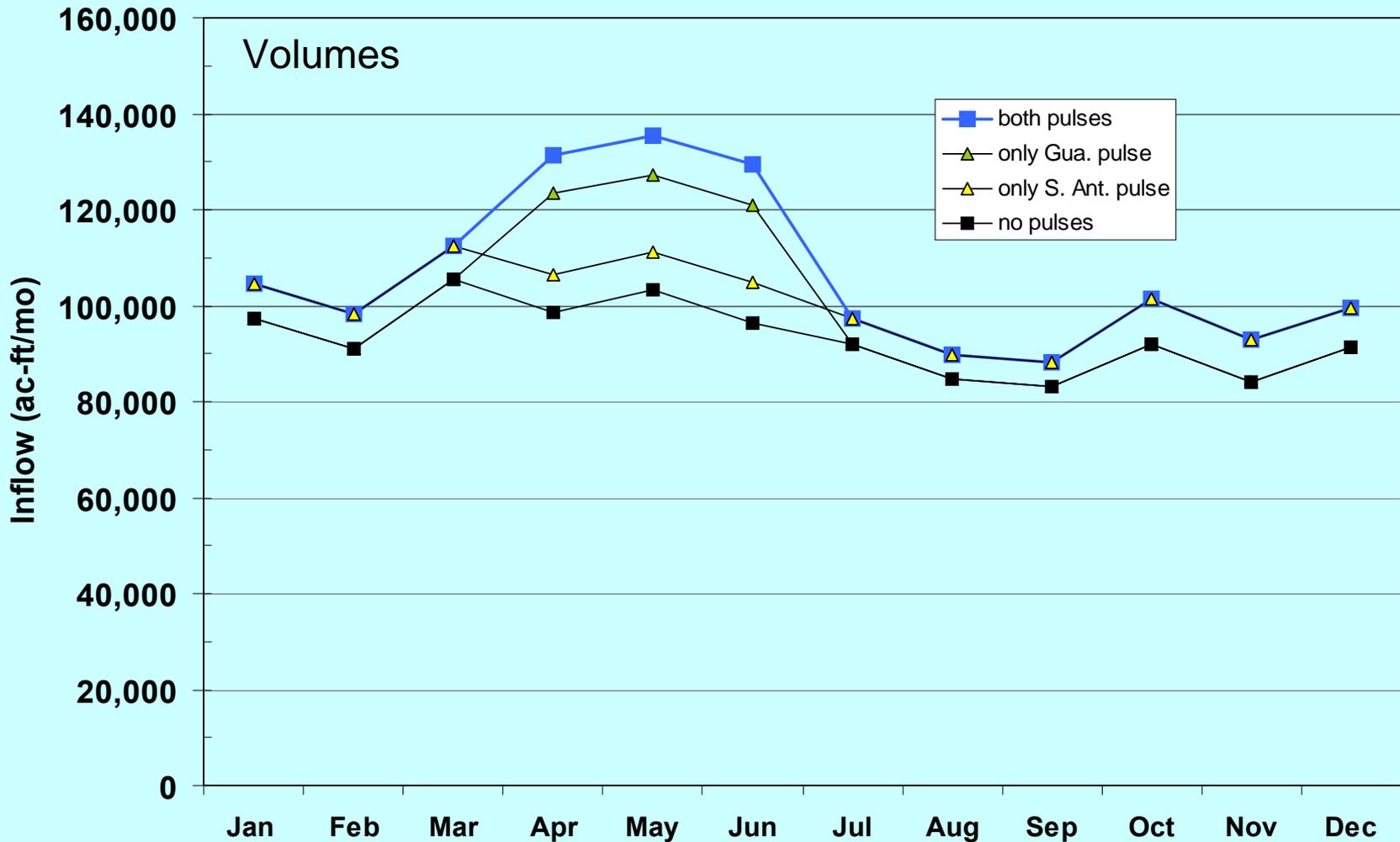
SAC: HEFR - Guadalupe Estuary Linkage Exercise

AVG Conditions - inflow range due to high pulse timing



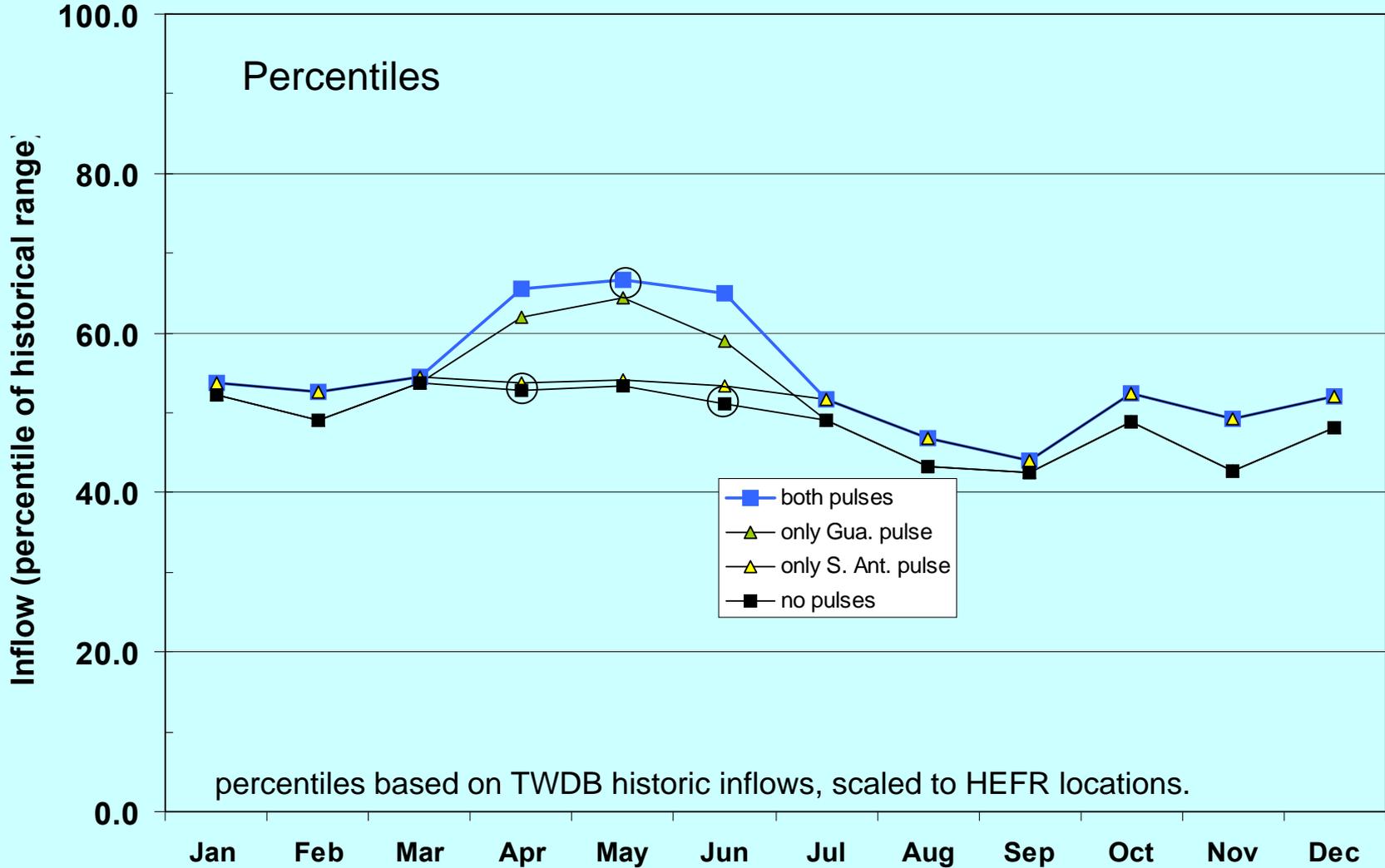
SAC: HEFR - Guadalupe Estuary Linkage Exercise

WET Conditions - inflow range due to high pulse timing

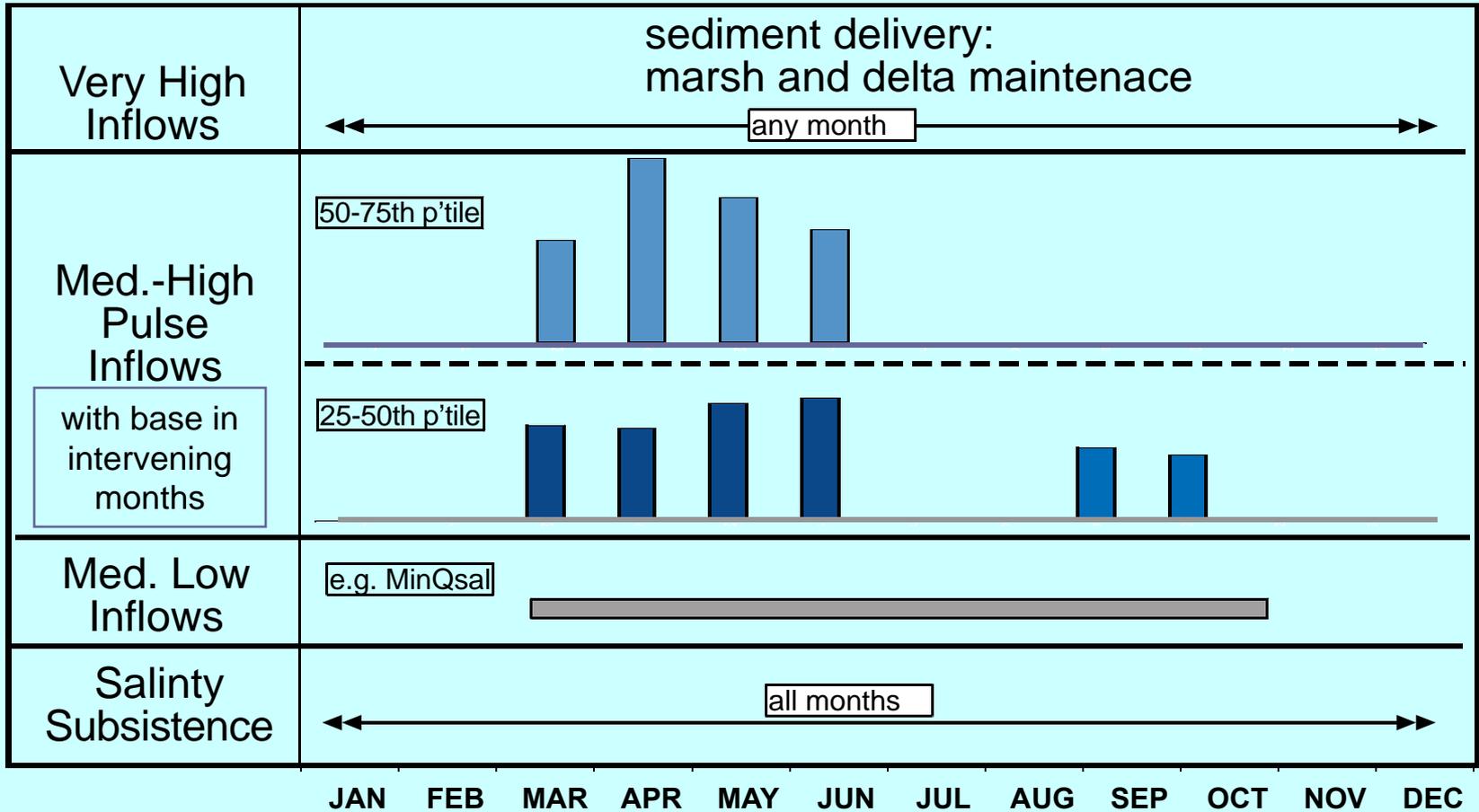


SAC: HEFR - Guadalupe Estuary Linkage Exercise

WET Conditions - inflow range due to high pulse timing

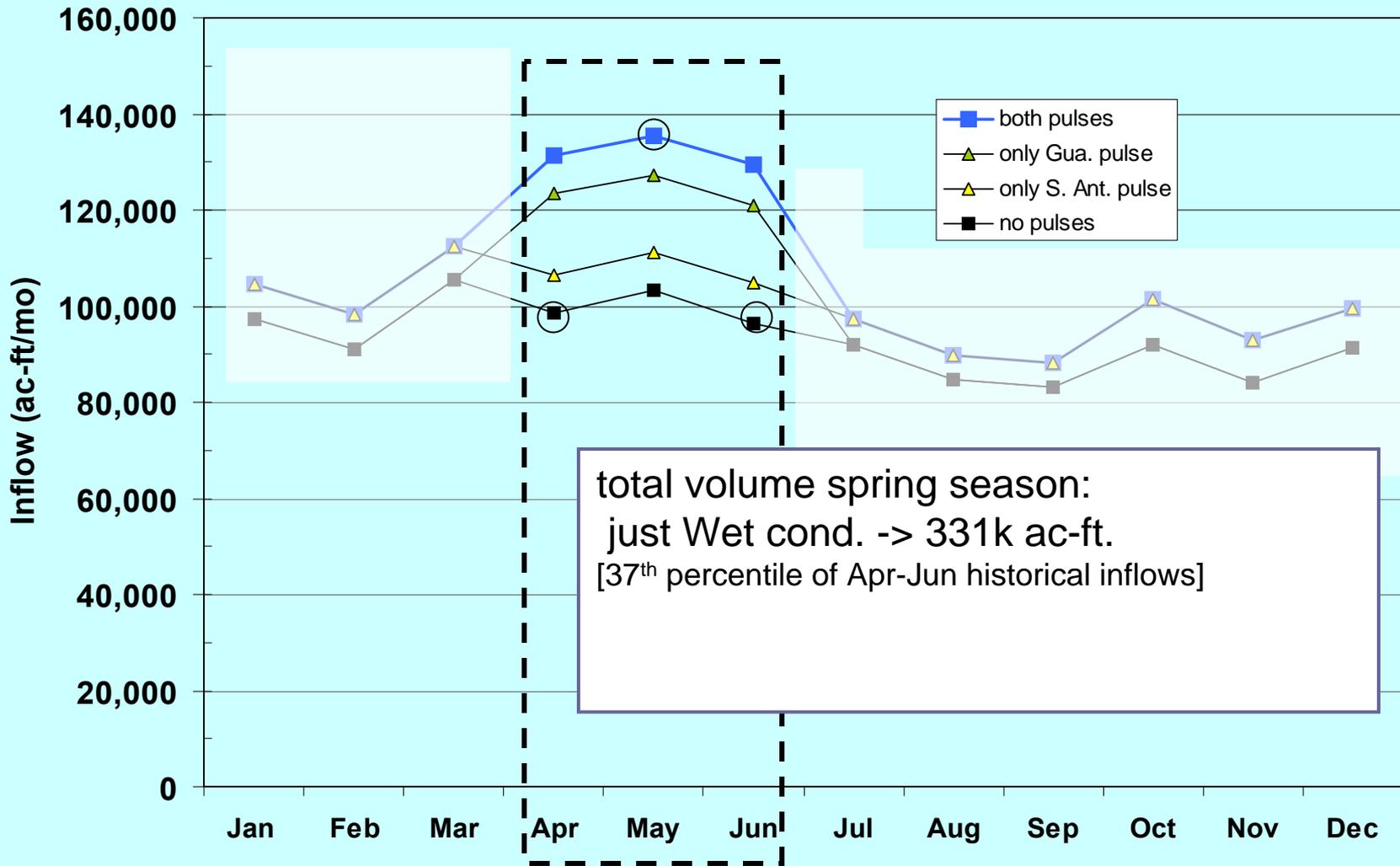


For Discussion- possible estuary inflows framework



SAC: HEFR - Guadalupe Estuary Linkage Exercise

WET Conditions - inflow range due to high pulse timing



Conclusions:

- individual month HEFR-based inflows for AVG conditions fall in the 20-50th percentile range of historical inflows.
- individual month HEFR-based inflows for WET conditions fall in the 40-65th percentile range of historical inflows.
- Apr- Jun *cumulative* HEFR-based inflows for WET conditions are only about the 37th percentile level of historical inflows.
- HEFR-based inflows for either AVG or WET conditions would probably need to be augmented to achieve substantial spring inflow pulse(s).
- *if* HEFR-based overbank flows occur in conjunction with Apr- Jun WET conditions, this would constitute an appreciable spring inflow pulse(s).