

Timing	Experiment	Questions to be answered to reduce uncertainty about outcomes
Late Spring	VAMP	<p>Do past years' data show an effect of entrainment of early hatch larvae on 20 mm, STN, or FMWT size distribution?</p> <p>Do past years' data show a relationship between size distribution and subsequent abundance?</p> <p>Do past years' data show an effect of prey abundance on smelt size? If so, then entrainment is not the only factor affecting smelt size.</p> <p>Do PTM runs using 20 mm distributions, show significant early hatch entrainment in 1995-present?</p>
Winter/Early Spring	X2 and O&M R flows	<p>What is the relationship between the proposed action variables and the distribution of spawning smelt?</p> <p>Are there data explaining the O&M R vs. salvage relationship? Do O&M River flows predict adult smelt distribution?</p> <p>Over what period does the O&M R flow vs. salvage relationship hold? Are there anomalous years?</p>
	Winter and O&M river flows	<p>Do past years' data show a relationship between early hatch larval entrainment and subsequent length distribution of larval, juvenile, and sub-adult smelt?</p> <p>How does the O&M R vs. salvage relationship compare with the smelt east of Franks vs. salvage relationship? Can the differences be explained? Does one relationship shed light on the other?</p> <p>Does adult salvage or relative salvage have any relationship with subsequent abundance or change in abundance?</p>

Summer	Daytime operation of Clifton Court Radial Gates	What do past years' data indicate about the magnitude of the difference in day and night salvage as compared to whatever disadvantages there are to daytime operation of the gates? Does adult or larval-juvenile salvage or relative salvage have any relationship with subsequent abundance, change in abundance or size distribution of smelt?
Summer-Fall	Summer-Fall X2 positions	Do past years' data show a relationship between X2 position over different periods of the year and adult or larval-juvenile smelt distribution or salvage? What is the sensitivity of this relationship (i.e., how much outflow is required to cause a significant change)?
Summer	Summer Yolo Bypass connectivity	Based on past years' data, is there a relationship between Yolo Bypass flooding and any measures of primary or secondary productivity?