VIDEO 2 - SPAWNING TO RELEASE STAGE
This video gives a general overview of the process of harvesting eggs and milt, the life cycle and the Sturgeon Release Event.

Total Length: 10:31 minutes. It is broken into several sections. Below are some key questions to think about in each section of the video.

Spawn Timing and Testing: 00:00 to 02:00
• Explain the process of testing eggs for maturity?
• What hormone gets given to females to induce spawning?

Harvesting Eggs and Milt for Fertilization: 02:00 to 04:14
• What is the process of harvesting eggs and milt?
• What happens to sturgeon eggs that are not released at spawning?
• What gets added to the eggs and milt to reduce stickiness? Why are sturgeon eggs sticky?

Family: 04:14 to 04:58
• What is a maternal family?
• Explain the typical genetic matrix used at the Conservation Centre?

Life Cycle: 04:58 to 07:22
• Why is a sturgeon egg black?
• Explain the life cycle of sturgeon and compare to that of a typical Pacific salmon species - what are the differences and similarities and why?

Sturgeon Release Event: 07:22 to 10:31
• Why is the Sturgeon Release Event an important event for students?
• Go to the Where is My Fish website and calculate the growth rate of the sturgeon that have been captured more than once. What does this information tell us?

INQUIRY ACTIVITY:
Pick one of the topics that you found most interesting from the video, and do an Inquiry project to present to your class.

For example, you can: delve deeper into gamete development and the scientific process of testing for maturity; draw the stages of a sturgeon’s development from fertilization to larvae formation; do the math associated with having more maternal families and what size facility would be needed to house such a program; gather stories from students who have participated in the Sturgeon Release as a book, blog or video... the ideas are endless!