

**MEMORANDUM FOR THE RECORD 18 LGS 13 Total Collection Report**

**SUBJECT:** Little Goose juvenile fish facility conducted a split sample at 03:00 on June 20. The collection goal is to provide smolt monitoring personnel with 300 to 500 juvenile fish for condition sampling. When the sample is reached, USACE personnel lower the sample rate to reduce the risk of overloading sample tanks. However, when conducting a split sample (ie-changing the sample rate within the 24-hr period), it is crucial that all fish are kept separated by sample rates. If fish are not kept separate the expanded total collection can be skewed and/or over extrapolated.

Fish passage center (FPC) notified Little Goose that the total collection for June 20 looked to be over expanded. Upon further investigation it is assumed that fish were not crowded properly during the split sample procedure. Once data was examined, corrections were made by FPC and reposted (Table 1 & 2).

Table 1: Unadjusted total sample and collection at Little Goose on June 20, 2018.

	Yearling Chinook	Subyearling Chinook	Steelhead	Coho	Sockeye	Total
Sample	0	894	8	5	0	907
Collection	0	90,063	1250	50	0	91,363

Table 2: Adjusted total sample and collection at Little Goose on June 20, 2018.

	Yearling Chinook	Subyearling Chinook	Steelhead	Coho	Sockeye	Total
Sample	0	894	8	5	0	907
Collection	0	16,353	80	50	0	16,483

Sincerely,  
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