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**From:** Garwin Yip - NOAA Federal <garwin.yip@noaa.gov>  
**Sent:** Thursday, May 16, 2019 4:19 PM  
**To:** 'Maria.rea@noaa.gov; Cathy Marcinkevage; Howard Brown; Barbara Byrne; j.stuart@noaa.gov  
**Subject:** Fwd: large salvage event for spring/fall run Chinook 5/15

Example of difficulty in coming up with a YOY spring-run trigger/metric

-Garwin-

Garwin Yip

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----- Forwarded message -----

**From:** Griffiths, Walter@Wildlife <[Walter.Griffiths@wildlife.ca.gov](mailto:Walter.Griffiths@wildlife.ca.gov)>  
**Date:** Thu, May 16, 2019 at 4:00 PM  
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**To:** Kristin Begun - NOAA Affiliate <[kristin.begun@noaa.gov](mailto:kristin.begun@noaa.gov)>, Barbara Byrne - NOAA Federal <[barbara.byrne@noaa.gov](mailto:barbara.byrne@noaa.gov)>, Giorgi, Bryant@DWR <[Bryant.Giorgi@water.ca.gov](mailto:Bryant.Giorgi@water.ca.gov)>, Carr, Chris@Waterboards <[Chris.Carr@waterboards.ca.gov](mailto:Chris.Carr@waterboards.ca.gov)>, Cook, Chris@DWR <[Chris.Cook@water.ca.gov](mailto:Chris.Cook@water.ca.gov)>, Chris Kwan <[Chris.Kwan@waterboards.ca.gov](mailto:Chris.Kwan@waterboards.ca.gov)>, Chu, Andy@DWR <[Andy.Chu@water.ca.gov](mailto:Andy.Chu@water.ca.gov)>, Williams, Craig@Waterboards <[Craig.Williams@waterboards.ca.gov](mailto:Craig.Williams@waterboards.ca.gov)>, craig\_anderson <[craig\\_anderson@fws.gov](mailto:craig_anderson@fws.gov)>, Don Portz <[dportz@usbr.gov](mailto:dportz@usbr.gov)>, Linander, Duane@Wildlife <[Duane.Linander@wildlife.ca.gov](mailto:Duane.Linander@wildlife.ca.gov)>, Elissa Buttermore <[ebuttermore@usbr.gov](mailto:ebuttermore@usbr.gov)>, Elizabeth Kiteck <[ekiteck@usbr.gov](mailto:ekiteck@usbr.gov)>, Felipe Carrillo <[felipe\\_carrillo@fws.gov](mailto:felipe_carrillo@fws.gov)>, Ford, John@DWR <[John.Ford2@water.ca.gov](mailto:John.Ford2@water.ca.gov)>, Garwin Yip - NOAA Federal <[garwin.yip@noaa.gov](mailto:garwin.yip@noaa.gov)>, Hannon, John <[jhannon@usbr.gov](mailto:jhannon@usbr.gov)>, Islam, Farida@DWR <[Farida.Islam@water.ca.gov](mailto:Farida.Islam@water.ca.gov)>, Israel, Joshua <[jaisrael@usbr.gov](mailto:jaisrael@usbr.gov)>, J. Stuart - NOAA Federal <[j.stuart@noaa.gov](mailto:j.stuart@noaa.gov)>, Julienne, Jason@Wildlife <[Jason.Julienne@wildlife.ca.gov](mailto:Jason.Julienne@wildlife.ca.gov)>, Jon R Burau <[jrburau@usgs.gov](mailto:jrburau@usgs.gov)>, Katherine Sun <[katherine\\_sun@fws.gov](mailto:katherine_sun@fws.gov)>, Katrina Harrison <[kharrison@usbr.gov](mailto:kharrison@usbr.gov)>, Kundargi, Kenneth@Wildlife <[Kenneth.Kundargi@wildlife.ca.gov](mailto:Kenneth.Kundargi@wildlife.ca.gov)>, Holland, Matthew@Waterboards <[Matthew.Holland@waterboards.ca.gov](mailto:Matthew.Holland@waterboards.ca.gov)>, McKibbin, Chris@Wildlife <[Chris.McKibbin@wildlife.ca.gov](mailto:Chris.McKibbin@wildlife.ca.gov)>, Macon, Michael@Waterboards <[Michael.Macon@waterboards.ca.gov](mailto:Michael.Macon@waterboards.ca.gov)>, Mike Beakes <[mbeakes@usbr.gov](mailto:mbeakes@usbr.gov)>, Mike Hendrick <[mhendrick@usbr.gov](mailto:mhendrick@usbr.gov)>, Tu, Ming-Yen@DWR <[Ming-Yen.Tu@water.ca.gov](mailto:Ming-Yen.Tu@water.ca.gov)>, PEGGY

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Hello All,

It might be of interest for the DOSS group to hear that the federal facility reported a one-day total of **184** spring-run and fall-run sized Chinook (size 76 – 111 mm FL) yesterday, 5/15. All of these fish had intact adipose fins, but may represent a mixture of wild and unmarked hatchery-reared fish, as some recent releases have been mainly unmarked individuals. Because these fish were sampled during routine subsample counts, the estimated salvage is  $n = 736$  individuals. Please let me know if there are any questions.

Sincerely,

Kyle Griffiths

## W. Kyle Griffiths

Environmental Scientist | SWP Salvage Fish ID QA/QC Biologist

Department of Fish and Wildlife | Bay Delta Office

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