

**Submitted at the request of Board Member John Wood by the Alaska
Department of Fish and Game**

February 12, 2020

This document was produced in response to a request from Alaska Board of Fisheries member John Wood following the staff report *Genetic Stock Composition of the Eastside Set Gillnet Chinook Salmon Harvest 2010–2019* by Tony Eskelin and Andy Barclay provided to the board on February 7, 2020.

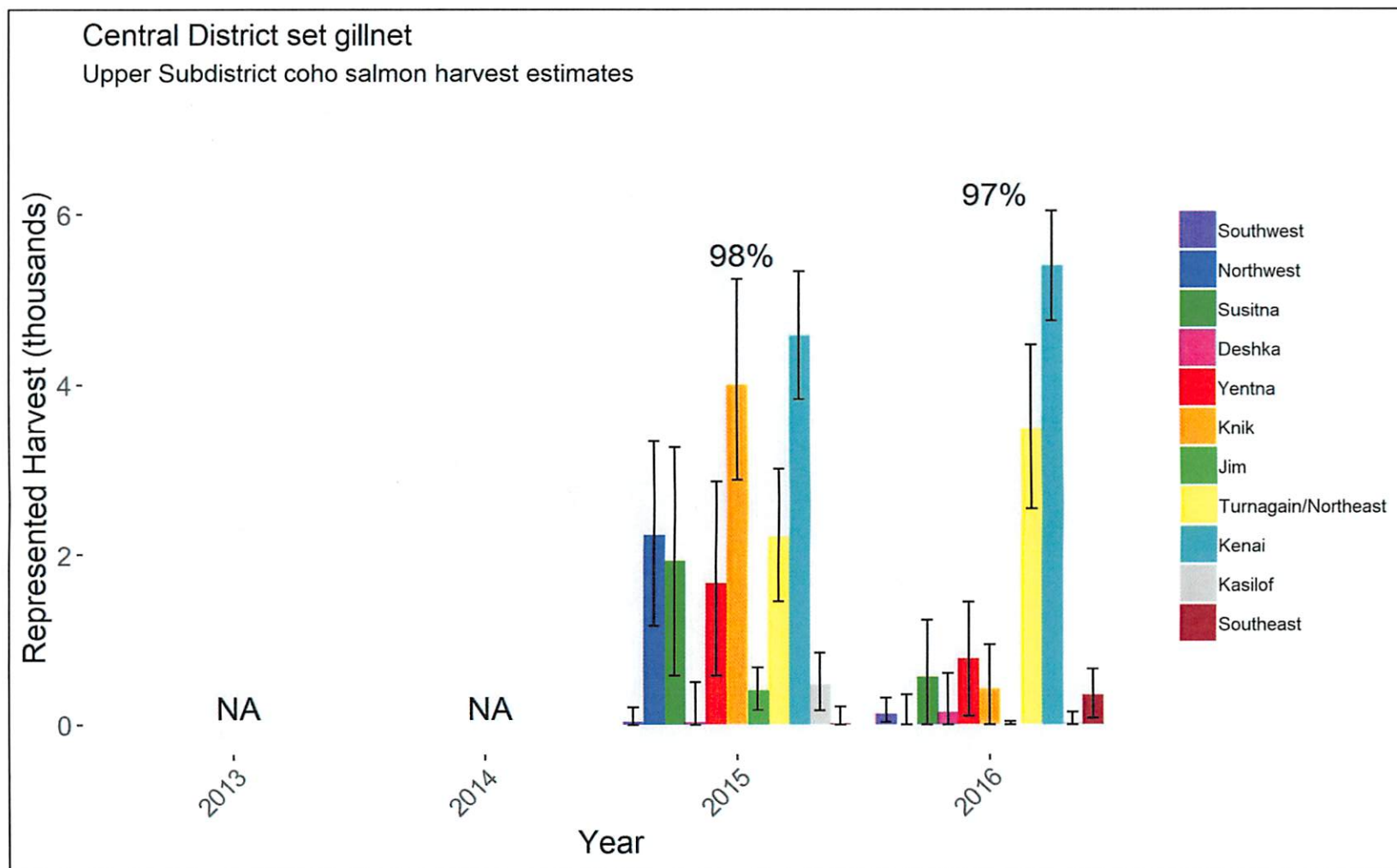


Figure 1.—Upper Subdistrict (Central District) set gillnet fishery 2015–2016; harvest estimates and 90% credibility intervals for coho salmon by stock for sampled fishing periods.

Note: The percent of the total harvest represented by genetic tissue samples is supplied above each year's plot. NAs indicate where no estimates are available for this plot; see original report for details.

Source: Barclay et al. (2019)

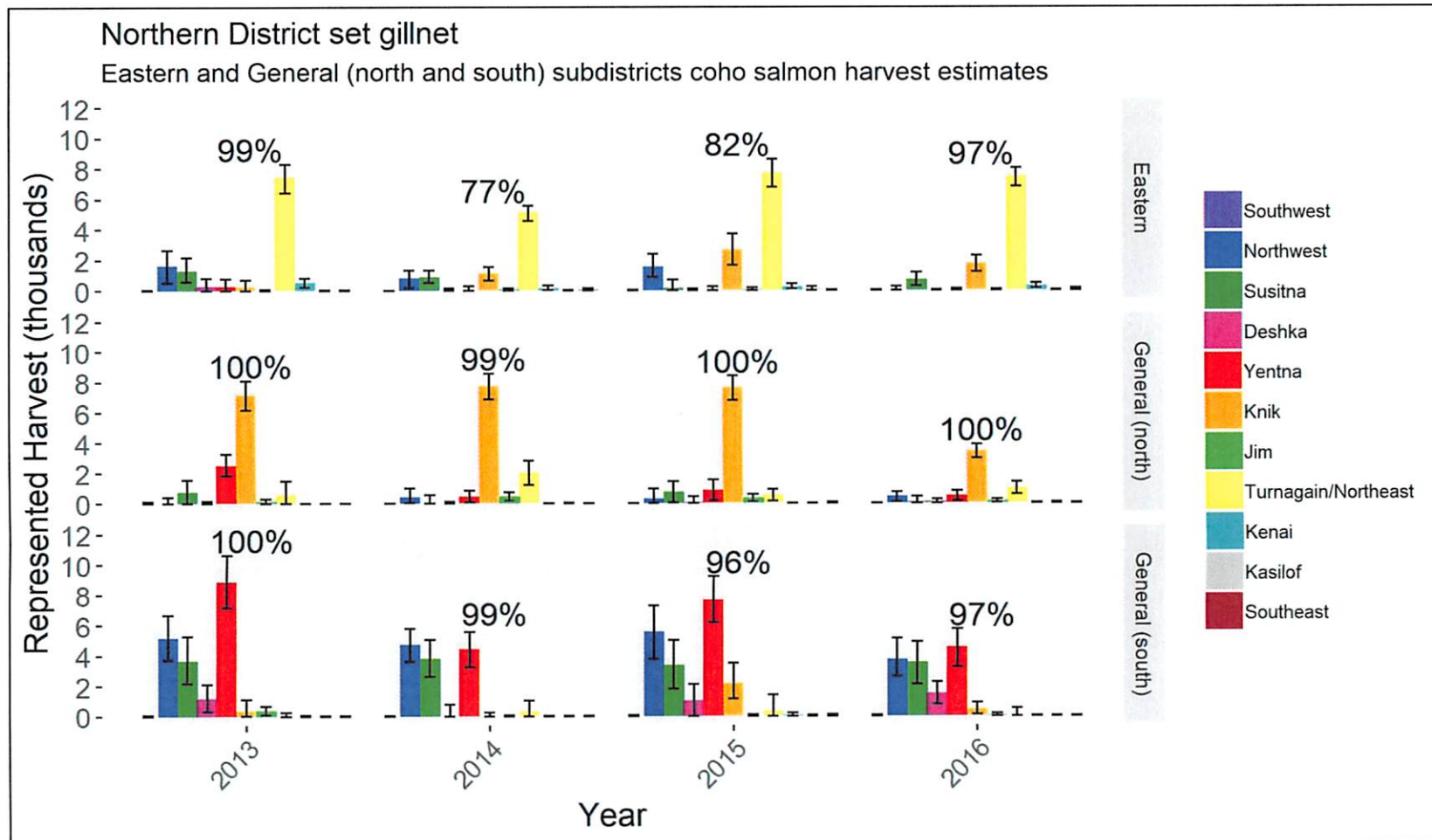


Figure 2.— Northern District set gillnet fishery by area, 2013–2016; harvest estimates and 90% credibility intervals for coho salmon by stock for sampled fishing periods.

Note: The percent of the total harvest represented by genetic tissue samples is supplied above each year's plot.

Note: General Subdistrict (north) = statistical areas 247-41, 42, and 43 and General Subdistrict (south) = statistical areas 247-10, 20, and 30.

Source: Barclay et al. (2019)

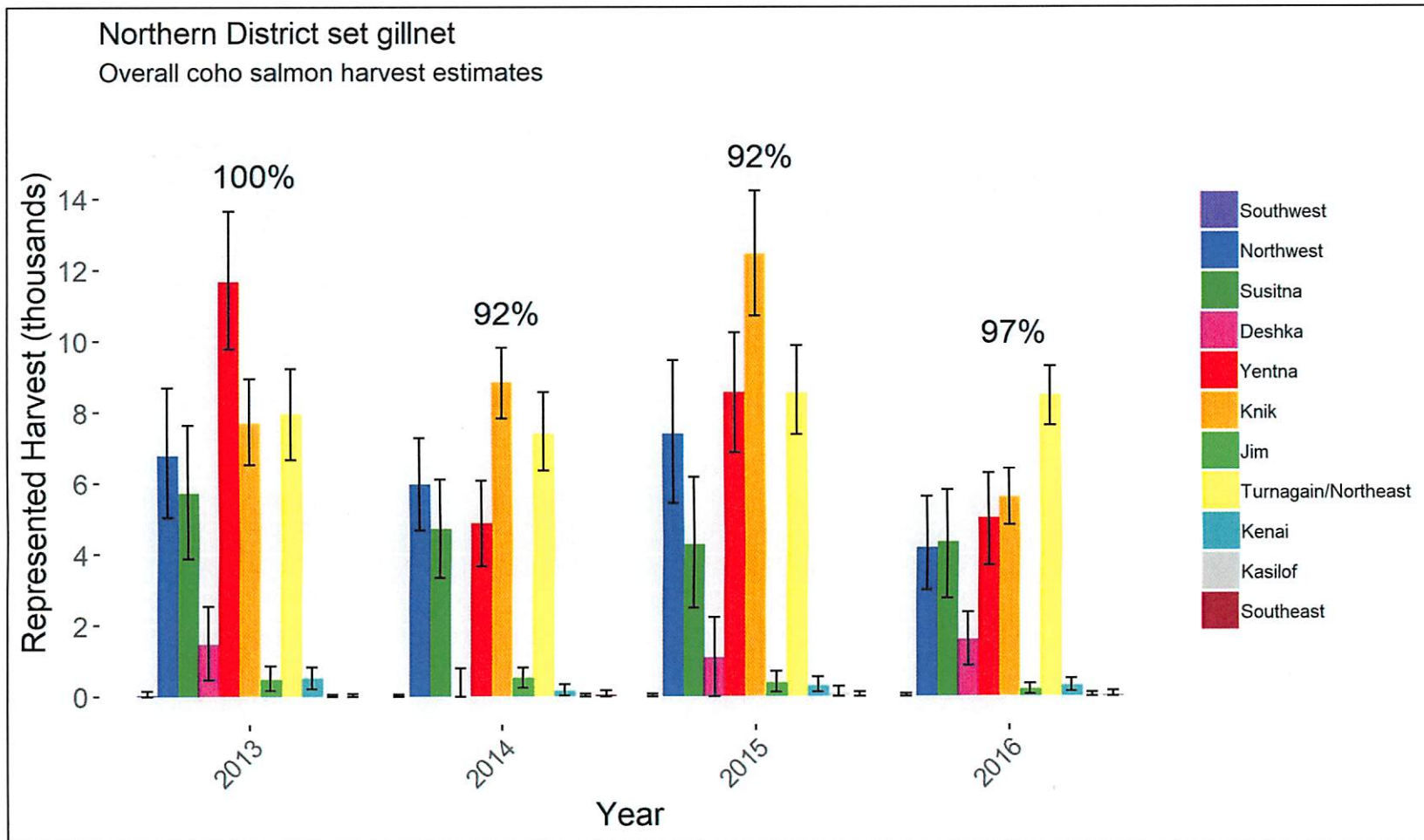


Figure 3.— Northern District set gillnet fishery, 2013–2016; harvest estimates and 90% credibility intervals for coho salmon by stock for sampled fishing periods.

Note: The percent of the total harvest represented by genetic tissue samples is supplied above each year's plot.

Source: Barclay et al. (2019)

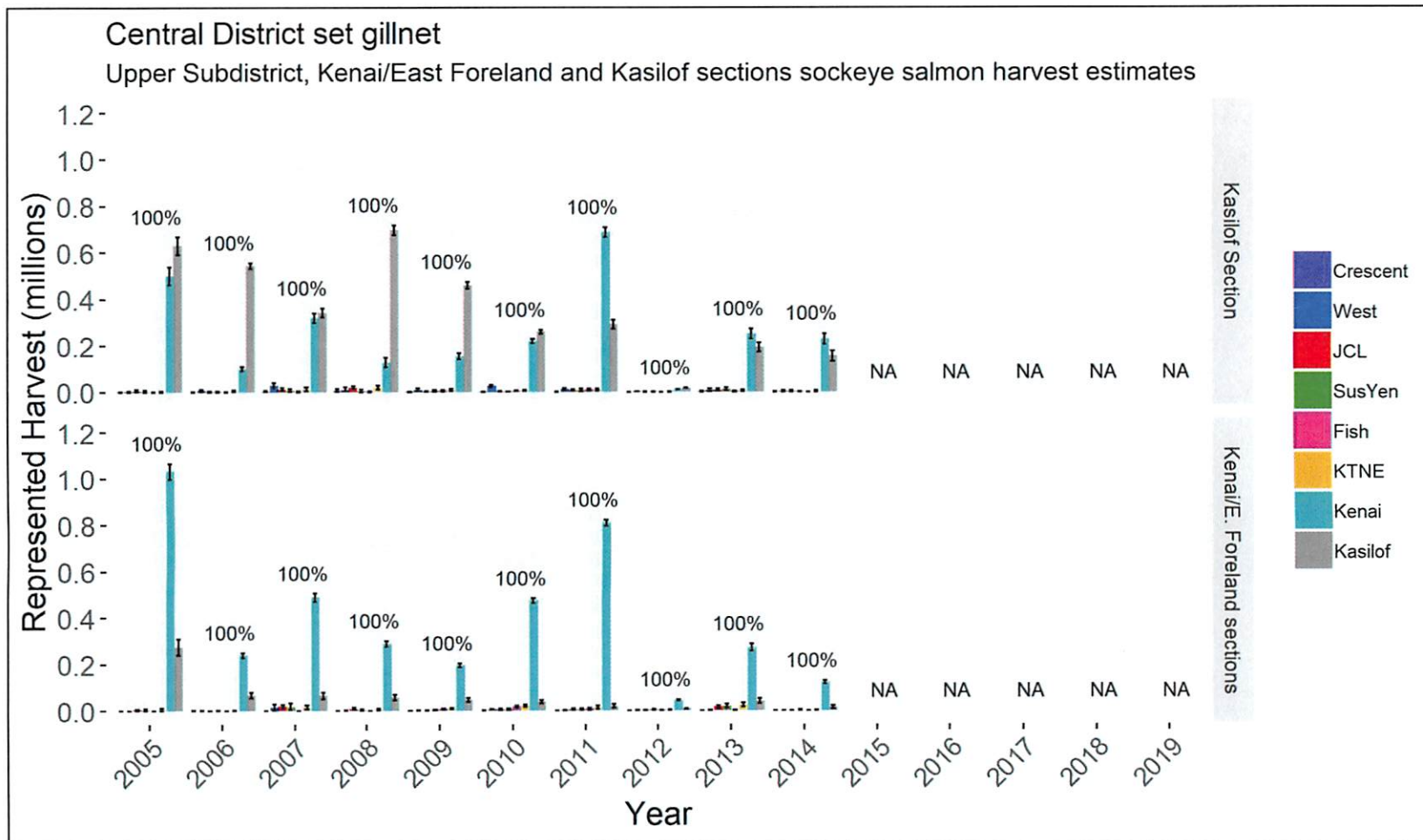


Figure 4.— Upper Subdistrict (Central District), Kenai/East Forelands and Kasilof sections set gillnet fisheries 2005–2019; harvest estimates and 90% credibility intervals for sockeye salmon by stock for sampled fishing periods.

Note: The percent of the total harvest represented by genetic tissue samples is supplied above each year's plot. NAs indicate where no estimates are available for this plot; see original report for details.

Source: 2005–2008 (Barclay et al. 2010a), 2009 (Barclay et al. 2010b), 2010 (Barclay et al. 2013), 2011 (Barclay et al. 2014), 2012 and 2013 (Barclay et al. 2017), 2014 (Barclay et al. 2018), 2015–2018 (Barclay 2019), 2019 (Barclay 2020)

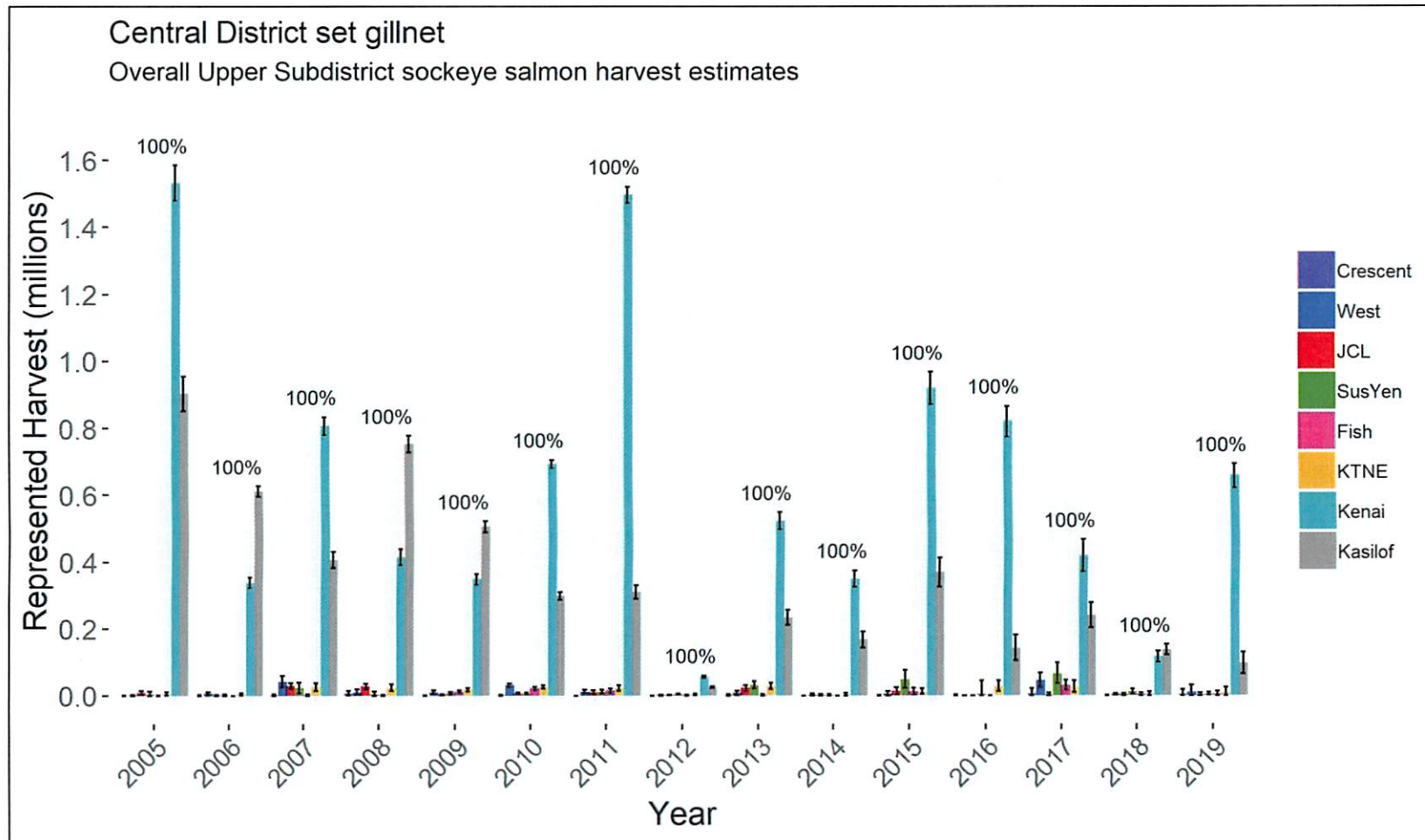


Figure 5.— Upper Subdistrict (Central District) set gillnet fishery 2005–2019; harvest estimates and 90% credibility intervals for sockeye salmon by stock for sampled fishing periods.

Note: The percent of the total harvest represented by genetic tissue samples is supplied above each year's plot.

Source: 2005–2008 (Barclay et al. 2010a), 2009 (Barclay et al. 2010b), 2010 (Barclay et al. 2013), 2011 (Barclay et al. 2014), 2012 and 2013 (Barclay et al. 2017), 2014 (Barclay et al. 2018), 2015–2018 (Barclay 2019), 2019 (Barclay 2020)

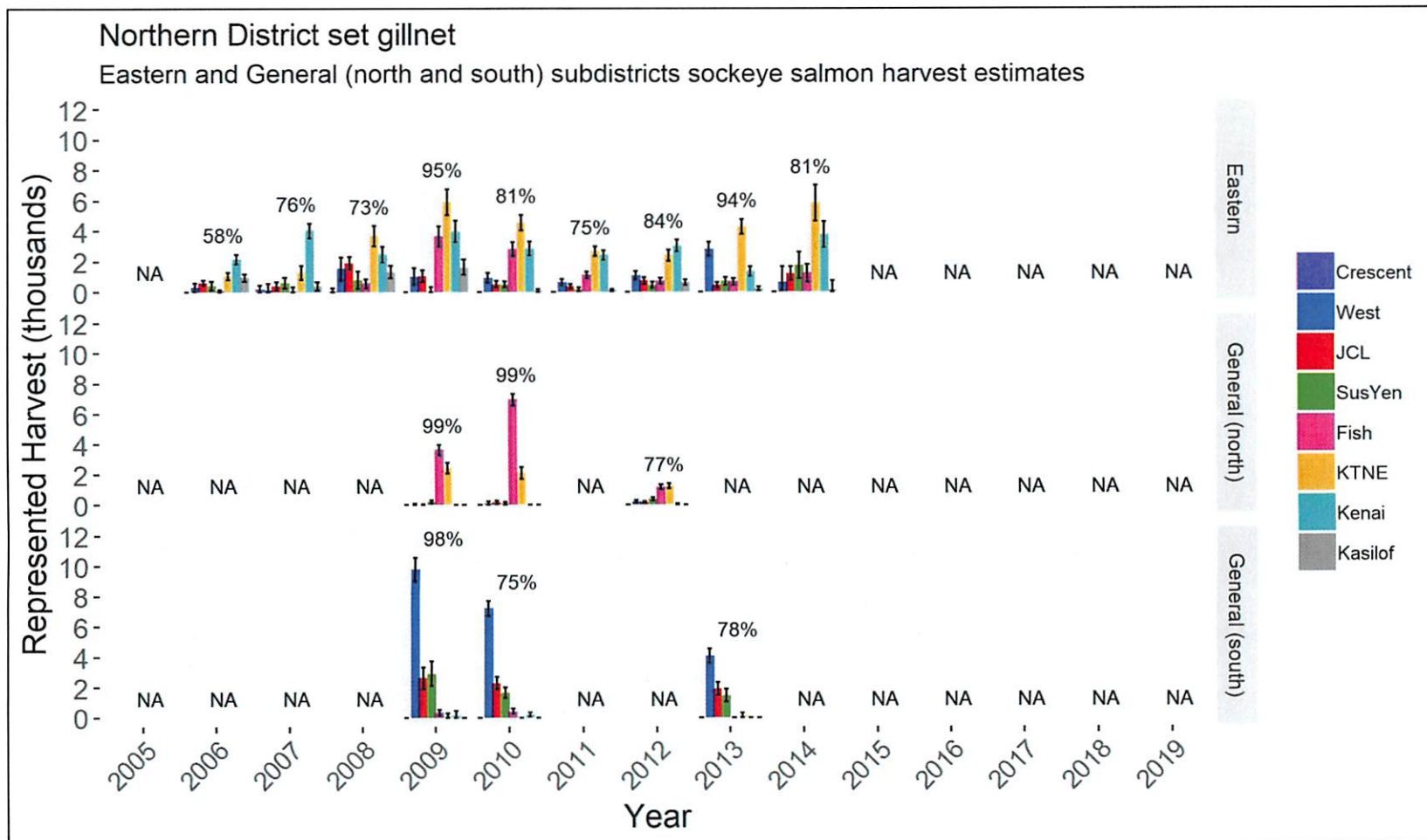


Figure 6.— Northern District, Eastern and General (north and south) subdistricts set gillnet fisheries 2005–2019; harvest estimates and 90% credibility intervals for sockeye salmon by stock for sampled fishing periods.

Note: The percent of the total harvest represented by genetic tissue samples is supplied above each year's plot. NAs indicate where no estimates are available for this plot; see original reports for details.

Note: General Subdistrict (north) = statistical areas 247-41, 42, and 43 and General Subdistrict (south) = statistical areas 247-10, 20, and 30.

Source: 2005–2008 (Barclay et al. 2010a), 2009 (Barclay et al. 2010b), 2010 (Barclay et al. 2013), 2011 (Barclay et al. 2014), 2012 and 2013 (Barclay et al. 2017), 2014 (Barclay et al. 2018), 2015–2018 (Barclay 2019), 2019 (Barclay 2020)

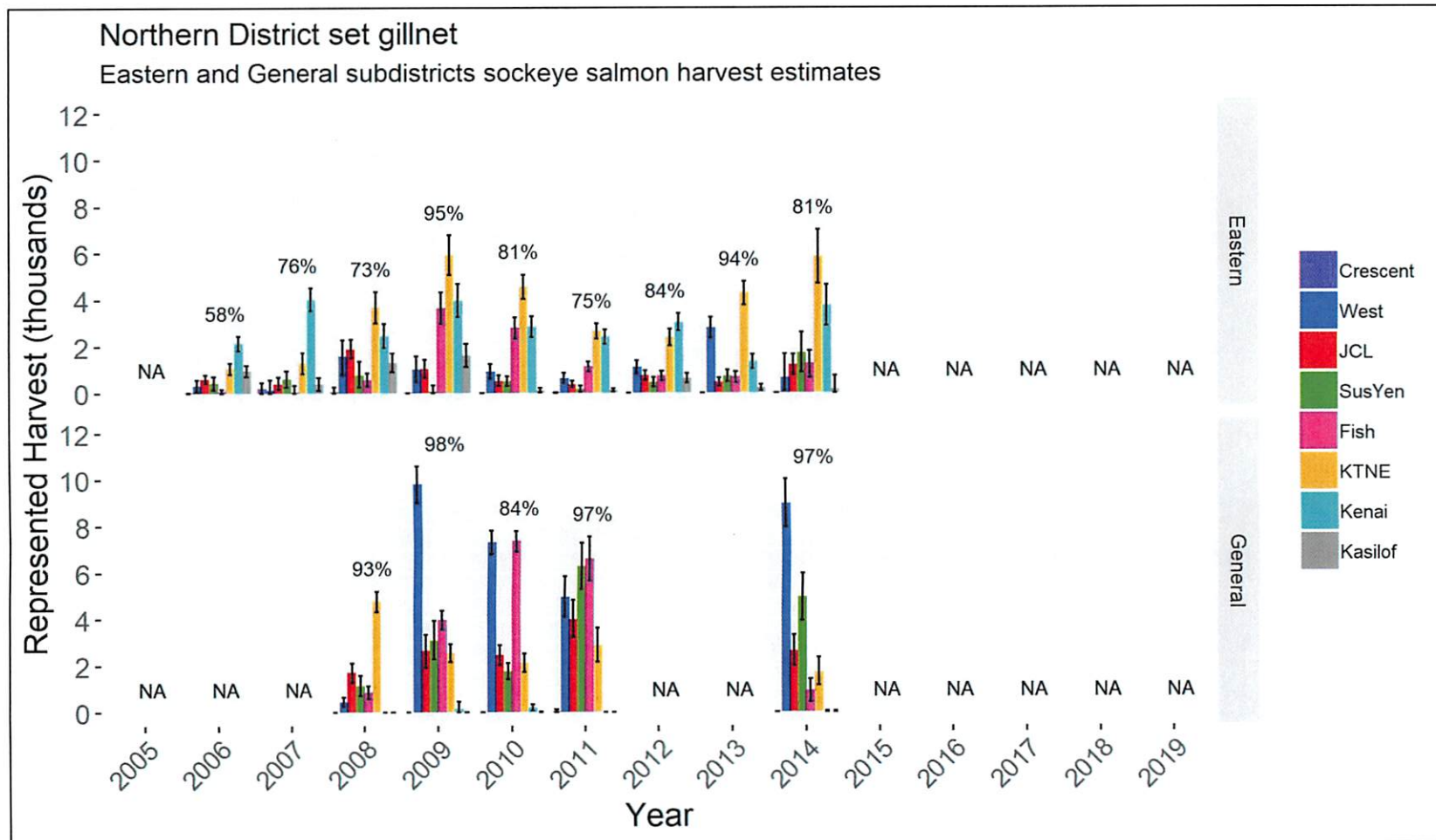


Figure 7.— Northern District, Eastern and General subdistricts set gillnet fisheries 2005–2019; harvest estimates and 90% credibility intervals for sockeye salmon by stock for sampled fishing periods.

Note: The percent of the total harvest represented by genetic tissue samples is supplied above each year's plot. NAs indicate where no estimates are available for this plot; see original reports for details.

Source: 2005–2008 (Barclay et al. 2010a), 2009 (Barclay et al. 2010b), 2010 (Barclay et al. 2013), 2011 (Barclay et al. 2014), 2012 and 2013 (Barclay et al. 2017), 2014 (Barclay et al. 2018), 2015–2018 (Barclay 2019), 2019 (Barclay 2020)

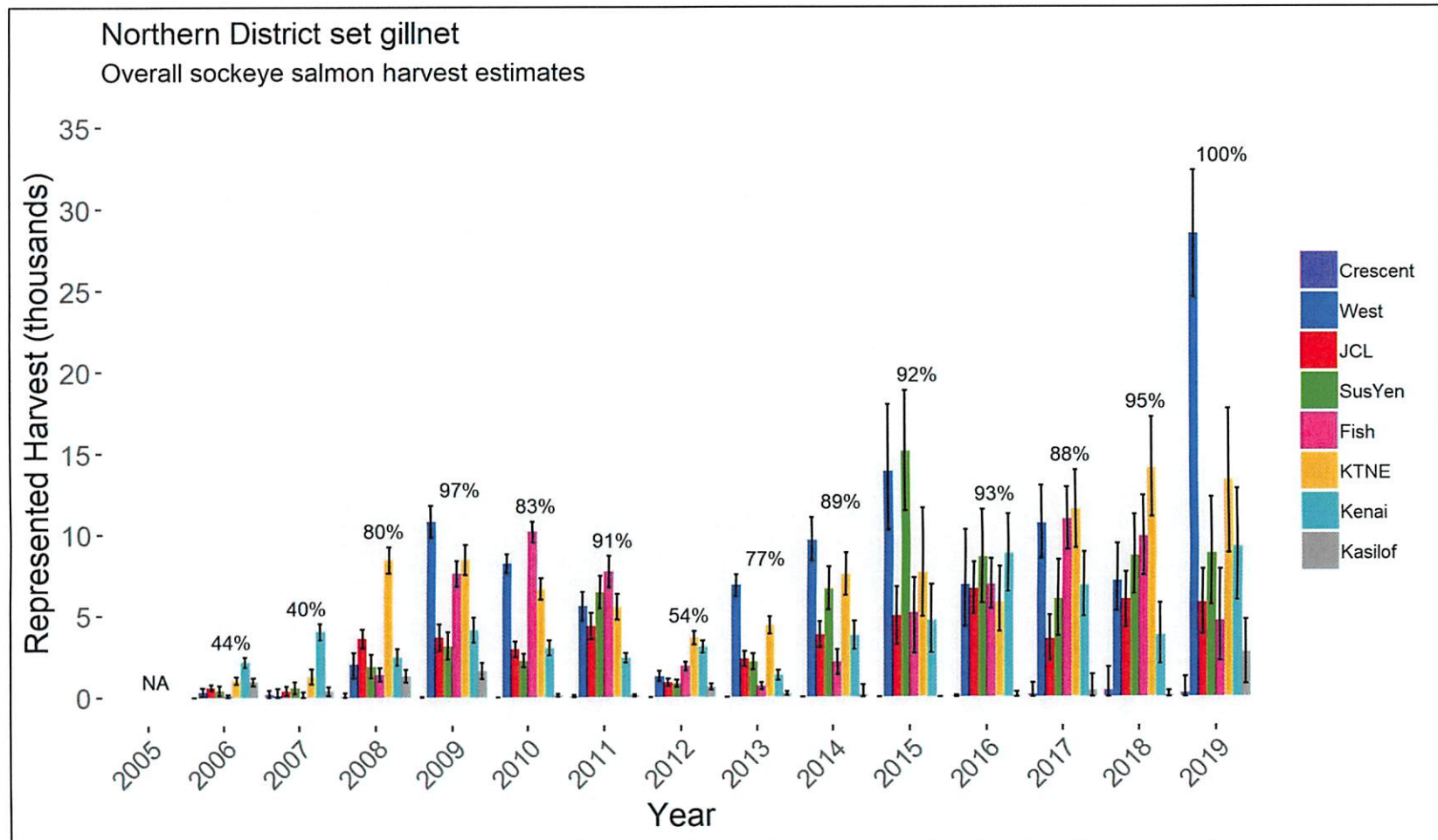


Figure 8.— Northern District set gillnet fishery 2005–2019; harvest estimates and 90% credibility intervals for sockeye salmon by stock for sampled fishing periods.

Note: The percent of the total harvest represented by genetic tissue samples is supplied above each year's plot. NAs indicate where no estimates are available for this plot; see original report for details.

Note: 2012 does not include harvest from statistical areas 247-10, 20, and 30 and 2013 does not include harvest from statistical areas 247-41, 42, and 43.

Source: 2005–2008 (Barclay et al. 2010a), 2009 (Barclay et al. 2010b), 2010 (Barclay et al. 2013), 2011 (Barclay et al. 2014), 2012 and 2013 (Barclay et al. 2017), 2014 (Barclay et al. 2018), 2015–2018 (Barclay 2019), 2019 (Barclay 2020)

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