

D. K. TON

MEMORANDUM

DATE: November 30, 1977
TO: D. L. Alverson, Center Director
FROM: J.E. Reeves

In response to a request by NPFMC Chairman Lokken for a breakout of the percentage of the male C. opilio stock >115 mm found in the area bounded by 164° to 169° W and 57° to 58° N, the following calculations are presented based on distribution and abundance gathered by the 1975 OCSEAP survey.

The attached figures show that, out of an estimated stock of 772 million pounds (Final Draft, Fishery Management Plan for Tanner Crab off Alaska). about 50.7 million pounds, or 6.6%, are distributed in the subject area.

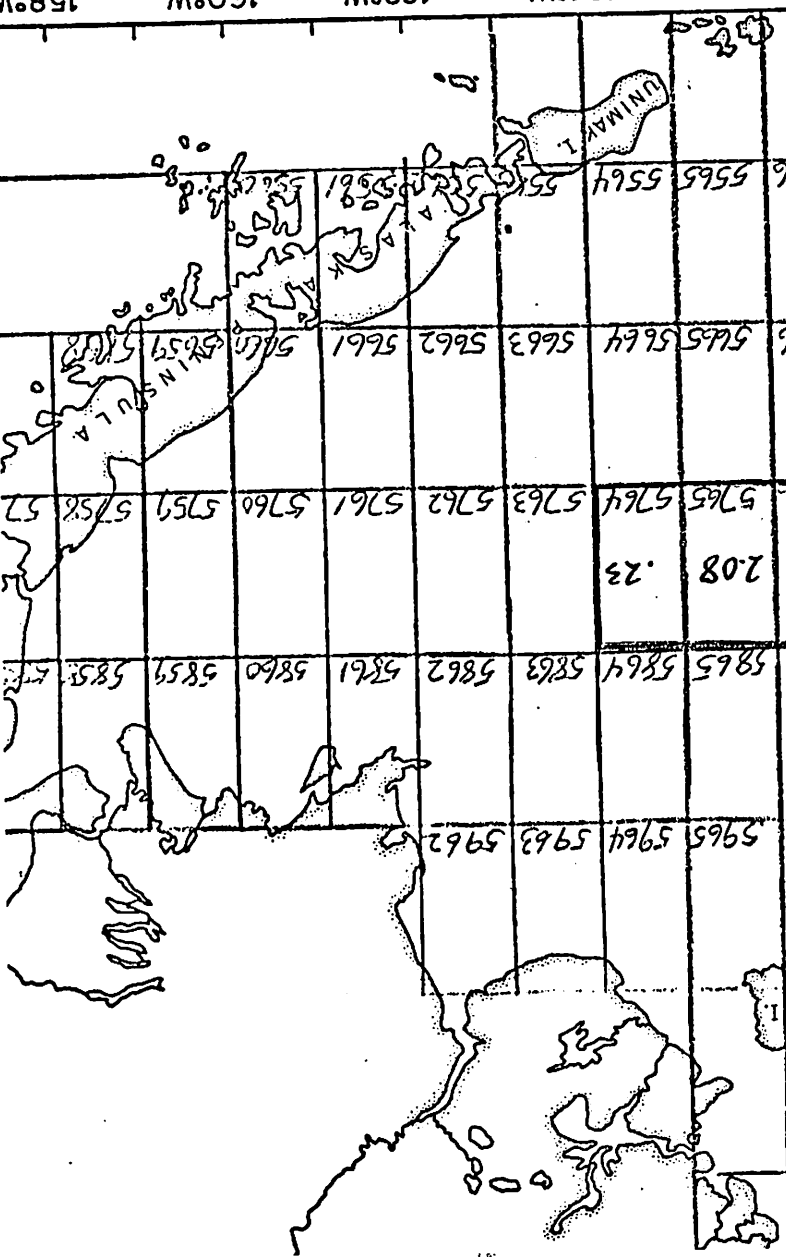
The estimated ABC is 448 million pounds (772 million pounds x .58). As the attached survey data is the best available, our best estimate of the ABC that can be expected from this area is 6.6% of 448 million pounds, or 29.4 million pounds.

Attachment

Estimated population
L. opilio
 males > 115 mm
 Millions of pounds
 1975 OCEAN Survey

178°W	176°W	174°W	172°W	170°W	168°W	166°W	164°W	162°W	160°W	158°W
		5673	5672	5671	5670	5669	5668	5667	5666	5665
		5714	5713	5712	5711	5710	5709	5708	5707	5706
		5875	5874	5873	5872	5871	5870	5869	5868	5867
		5976	5975	5974	5973	5972	5971	5970	5969	5968

3705
 6.92
 4.39
 2.08
 .23



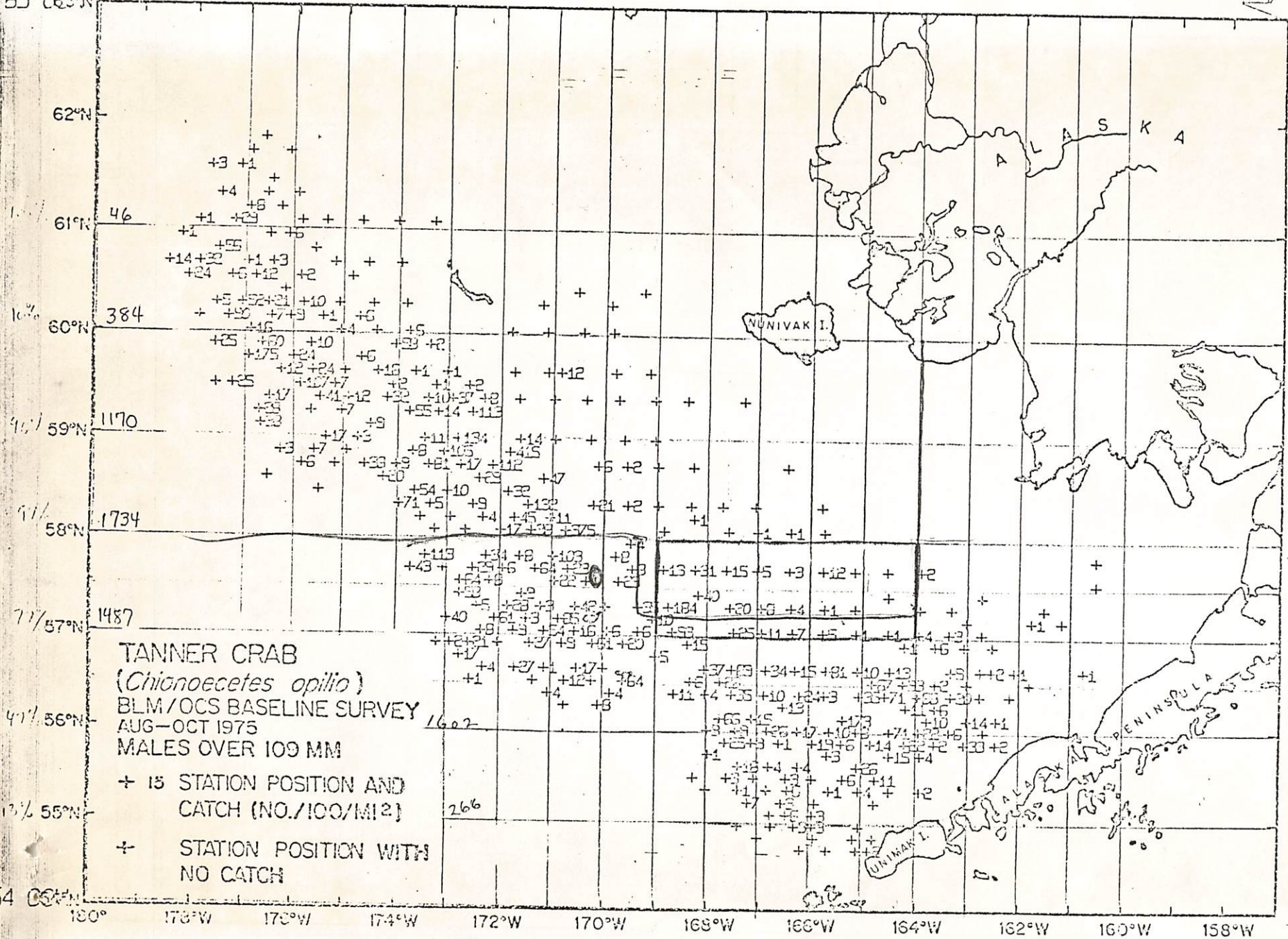


FIGURE 1975 OCS/BLM SURVEY, C. OPILIO MALES OVER 109MM (NO./SQMI * 1/100)