

Crab Disaster Relief Spending Plan: Building Resilience



California Department of Fish and Wildlife

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Conference Call

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Crab Disaster Relief Spending Plan Overview

(\$25.8 mil)

Category	Amount
Mitigation (10%)	\$2,579,727
Research (up to 50%)	\$1,289,863
Testing (at least 50%)	\$1,289,863
Direct Payment (89%)	\$22,959,569
Dcrab (97%)	\$22,270,781
Fishermen (64%)	\$14,253,300
Processors (Buyers/Receivers) (33%)	\$7,349,358
CPFVs (3%)	\$668,123
Rock Crab (3%)	\$688,787
Fishermen (67%)	\$461,487
Processors (Buyers/Receivers) (33%)	\$227,300
PSMFC overhead (1%)	\$257,973

Mitigation Grants

Research (up to \$1.29 million)

- Inform domoic acid event predictor tools
- Understand socio-economic effects of the industry to build resiliency within fisheries

Testing Infrastructure (at least \$1.29 million)

- Increasing capabilities of agencies to monitor and process samples
- Increase sampling capability of fleet

Dungeness crab Qualification Criteria

Sector	Criteria	Number of Permits
2015 & 2016 Permit holders - Commercial Fishermen		
	Permits w/3-season Landings History* or 2016-17 or 2017-18	523
2015 & 2016 License holders - Processors/Buyers		
	W/3-season Receiving History (cumulative $\geq 1,000$ lbs)*:	124
2015 & 2016 License holders - CPFV		
	W/3-season Logbook History (cumulative ≥ 10 trips)*:	56

**permits and licensed businesses with at least one record of landing/receiving or one CPFV daily logbook for the last 3-seasons (2012-13 to 2014-15) prior to the disaster season of 2015-16*

Dungeness crab – Fisherman Disbursement

Dungeness Crab (Commercial Fishermen)		
Direct Payment Total		\$14,253,300
<u>Proposed Options for Disbursement</u>		
Option 1 (suboption) – Weighted By Trap Tier <i>(qualifying permits n=523)</i>		
	Dungeness Crab Vessel Permit Tier	Reimbursement Per Permit
	1	\$43,029
	2	\$38,726
	3	\$34,423
	4	\$30,120
	5	\$25,817
	6	\$21,514
	7	\$15,060

Dungeness crab – Processor Disbursement

Dungeness Crab (Processors/Buyers)		
Direct Payment Total		\$7,349,358
<u>Proposed Options for Disbursement</u>		
Revised Option 1 (suboption) – Weighted by Tiers of Total Pounds of Dungeness crab Received <i>(weighted among all qualifying licenses based on total pounds received, calculated from prior 3-season receiving history)</i>		
Weighted Tier Groups	3 –Season Cumulative Total Received (lbs)	Reimbursement Per Business
1	≥4 million	\$661,054.79
2	1.5 million – 3.99 million	\$279,617.12
3	1 million – 1.49 million	\$167,372.69
4	500,000 – 999,999	\$110,261.55
5	100,000 – 499,999	\$28,761.85
6	≥1,000 – 99,999	\$2,997.80

Dungeness crab – CPFV Disbursement

Dungeness Crab (CPFVs)		
Total		\$668,123
<u>Proposed Options for Disbursement</u>		
Revised Option 1 (suboption) – Weighted by Tiers of Dungeness crab Trip Activity Level <i>(weighted among all qualifying licenses based on tier, calculated from prior 3-season trip history)</i>		
Weighted Tier Groups	3 –Season Cumulative Total Trips	Reimbursement Per CPFV
1	≥100 trips	\$35,403
2	50 – 99 trips	\$15,629
3	10 – 49 trips	\$4,896

Rock crab Qualification Criteria

Sector	Criteria	Number of Permits
2015 & 2016 Permit holders - Commercial fishermen		
	Within area of impact (fishing blocks) and W/3-season landings history* (cumulative $\geq 1,000$ lbs):	55
2015 & 2016 License holders - Processors/Buyers		
	Within area of impact (fishing blocks) and W/3-season landings history* (cumulative $\geq 1,000$ lbs):	61

**permits and licensed businesses with at least one landing/receiving for the last 3-years (2012 to 2014) prior to disaster years of 2015 & 2016*

Rock Crab – Fisherman Disbursement

Rock Crab (Commercial Fishermen)		
Direct Payment Total		\$461,487
<u>Proposed Options for Disbursement</u>		
Revised Option 1 (suboption) – Weighted by Tiers of Total Pounds Landed in Affected Fishing Blocks <i>(weighted among all qualifying licenses based on total pounds landed, calculated from prior 3-season landing history)</i>		
Weighted Tier Groups	3 –Season Cumulative Total Landed (lbs)	Reimbursement Per Rock Crab Permit
1	≥500,000	\$89,550.99
2	400,000 – 499,999	\$66,792.68
3	300,000 – 399,999	\$52,837.49
4	100,000 – 299,999	\$17,256.62
5	30,000 – 99,999	\$8,112.12
6	1,000 – 29,999	\$1,232.25

Rock Crab – Processor Disbursement

Rock Crab (Processors/Buyers)		
Direct Payment Total		\$227,300
<u>Proposed Options for Disbursement</u>		
Revised Option 1 (suboption) – Weighted by Tiers of Total Pounds of Rock Crab Received in Affected Fishing Blocks <i>(weighted among all qualifying licenses based on total pounds received, calculated from prior 3-season receiving history)</i>		
Weighted Tier Groups	3 –Season Cumulative Total Received (lbs)	Reimbursement Per Business
1	≥350,000	\$27,582.50
2	200,000 – 349,999	\$19,178.74
3	150,000 – 199,999	\$14,299.57
4	100,000 – 149,999	\$9,502.12
5	50,000 – 99,999	\$6,057.43
6	1,000 – 49,999	\$770.61

Timeline of Crab Disaster Relief

- CA Final Spending Plan due to PSMFC September 7, 2018
- Grant application submitted by September 14, 2018
- Funds have an anticipated start date of January 1, 2019
 - Funds need to be spent within a 24 month period
 - Any proposed projects must be completed within the 24 months
 - Assumes NOAA accepts the grant proposal without significant changes
 - Assumes no significant opposition or litigation

Calculations for Weighting Industry Sectors

Following slides summarize how qualifying permits and licensed business in each industry sector were weighted to determine disaster relief reimbursement

Option 1 (suboption) –
Dungeness crab Fishermen:
Weighted by Dungeness Crab Vessel Permit Tier

- Determine qualifying permits (i.e. either at least one landing in the last three seasons prior to disaster season or at least one landing in the recent seasons of 2016-17 or 2017-18)
- Bin permit into representative trap limit tier (i.e. Tier 1 to 7)
- Calculate total number of traps these permits represent (fishing power) based on corresponding trap limit (i.e. 175 to 500 traps)
- Calculate per trap reimbursement by dividing total direct payment allotted to Dungeness crab fishermen by total number of traps
- Multiply per trap reimbursement by each of the 7 tiered trap limits to determine the per permit reimbursement weighted by tier

Revised Option – Dungeness crab Processors: Weighted by Cumulative Total of Dungeness Crab Received Pounds

- Determine qualifying licensed businesses that were licensed in 2015 and 2016 with at least one record of receiving Dungeness crab in the last three seasons prior to disaster season (i.e. 2012-13 to 2014-15)
- Calculate cumulative totals for each licensed business using all records of receiving Dungeness crab over the three seasons, remove those licenses that received less than 1,000 lbs cumulative total
- Tier licensed businesses determined by cumulative total pounds in to the following 6 tiers: ≥ 4 million, 1.5million - 3.99million, 1million - 1.49million, 500,000 - 999,999, 100,000 - 499,999 and 1,000-99,999
- Calculate the percent each tier contributes to the summed total of cumulative pounds for all three seasons
- Use this percent to determine the tier allocation by multiplying the total direct payment allotted to Dungeness crab processors
- Divide the tier allocation by the number of licensed businesses that qualify under this tier to determine the per licensed business reimbursement

Revised Option – Dungeness crab CPFVs: Weighted by Cumulative Total of Dungeness Crab Trips

- Determine qualifying licensed CPFV's that were licensed in 2015 and 2016 and have at least 10 daily trips recorded with Dungeness crab taken during the Dungeness crab recreational seasons of 2012-13, 2013-14 and 2014-15
- Calculate cumulative total of all trips over the three seasons for each licensed CPFV
- Tier licensed CPFVs determined by cumulative trips in to the following 3 tiers : ≥ 100 trips, 50-99 trips and 10-49 trips
- Calculate the percent each tier contributes to the summed cumulative total of all Dungeness crab trips recorded for all three seasons
- Use this percent to determine the tier allocation by multiplying the total direct payment allotted to Dungeness crab CPFVs
- Divide the tier allocation by the number of licensed businesses that qualify under this tier to determine the per licensed CPFV reimbursement

Revised Option – Rock crab Fishermen: Weighted by Cumulative Total of Rock Crab Landed Pounds

- Determine qualifying licensed fishermen that were permitted in 2015 and 2016 with at least one record of landing rock crab in the affected blocks in the last three years prior to disaster year (i.e. 2012, 2013 & 2014)
- Calculate cumulative totals for each licensed fishermen using all records of landing rock crab over the three years, remove those licenses that received less than 1,000 lbs cumulative total
- Tier licensed fishermen determined by cumulative total pounds in to the following 6 tiers: $\geq 500,000$, 400,000 - 499,999, 300,000 - 399,999, 100,000 - 299,999, 30,000 - 99,999 and 1,000 - 29,999
- Calculate the percent each tier contributes to the summed total of cumulative pounds for all three seasons
- Use this percent to determine the tier allocation by multiplying the total direct payment allotted to rock crab fishermen
- Divide the tier allocation by the number of licensed fishermen that qualify under this tier to determine the per rock crab permit reimbursement

Revised Option – Rock crab Processors: Weighted by Cumulative Total of Rock Crab Received Pounds

- Determine qualifying licensed businesses that were licensed in 2015 and 2016 with at least one record of landing rock crab in the affected blocks in the last three years prior to disaster year (i.e. 2012, 2013 & 2014)
- Calculate cumulative totals for each licensed business using all records of receiving rock crab over the three years, remove those licenses that received less than 1,000 lbs cumulative total
- Tier licensed businesses determined by cumulative total pounds in to the following 6 tiers: $\geq 350,000$, 200,000 - 349,999, 150,000 - 199,999, 100,000 – 149,999, 50,000 – 99,999 and 1,000 - 49,999
- Calculate the percent of each tier contributes to the summed total of cumulative pounds for all three seasons
- Use this percent to determine the tier allocation by multiplying the total direct payment allotted to rock crab processors
- Divide the tier allocation by the number of licensed businesses that qualify under this tier to determine the per licensed business reimbursement