

2021/22 Status Determination Updates for AIGKC, PIGKC, WAIRKC

AIGKC

Overfishing did not occur in 2021/22.

Estimated total fishery mortality in 2021/22 was 3.056 kt, which was less than the OFL of 4.817 kt, and resulted from 2.699 kt retained catch in the directed fishery, 0.343 kt bycatch mortality in the directed fishery, and 0.014 kt bycatch mortality in the groundfish fisheries.

Year	MSST	Biomass (MMB)	TAC	Retained Catch	Total Catch ^a	OFL	ABC ^b
2018/19	5.880	17.848	2.883	2.965	3.372	5.514	4.136
2019/20	5.915	16.386	3.257	3.319	3.729	5.249	3.937
2020/21	6.014	15.442	2.999	3.000	3.520	4.798	3.599
2021/22	5.859 ^d	12.592 ^d	2.690	2.699 ^e	3.056 ^e	4.817 ^c	3.372 ^c
2022/23		11.941 ^d				3.761 ^d	2.821 ^d

- The mature male biomass (13.065 kt) is above MSST (5.821 kt) in 2021/22; hence, **the stock is not overfished.**

PIGKC

Overfishing did not occur in 2021.

Four vessels participated in the 2021 directed fishery. Estimated total fishery mortality in 2021 (21.08 t) resulted from retained catch (15.52 t), bycatch in the directed fishery (3.57 t) and bycatch in groundfish fisheries (1.99 t).

Management Performance Table (values in t)

Calendar Year	MSST	Biomass (MMB)	GHL ^a	Retained Catch	Total Catch ^b	OFL	ABC
2016	N/A	N/A	59	0	0.24	91	68
2017	N/A	N/A	59	Conf. ^c	Conf. ^c	93	70
2018	N/A	N/A	59	Conf. ^c	Conf. ^c	93	70
2019	N/A	N/A	59	Conf. ^c	Conf. ^c	93	70
2020	N/A	N/A	59	49	52	93	70
2021	N/A	N/A	59	16	21	93	70
2022	N/A	N/A				93	70
2023	N/A	N/A				93	70

a. Guideline harvest level, established in lb and converted to t.

b. Total retained catch plus estimated bycatch mortality of discarded catch during crab fisheries and bycatch mortality due to groundfish fisheries are included here, but not for 2017-2019 because the directed fishery is confidential.

c. Confidential under Sec. 16.05.815 (SOA statute).

WAIRKC

Overfishing did not occur in 2021/22.

The directed fishery was closed in 2021/22.

Estimated total fishery mortality in 2021/22 (0.16 t) resulted from bycatch in the AIGKC fishery (0.00 t) and bycatch in groundfish fisheries (0.16 t).

Management Performance Table (values in t)

Fishing Year	MSST	Biomass (MMB)	TAC^a	Retained Catch	Total Catch	OFL	ABC
2015/16	N/A	N/A	Closed	0	1.2	56	34
2016/17	N/A	N/A	Closed	0	<1	56	34
2017/18	N/A	N/A	Closed	0	<1	56	14
2018/19	N/A	N/A	Closed	0	<1	56	14
2019/20	N/A	N/A	Closed	0	<1	56	14
2020/21	N/A	N/A	Closed	0	<1	56	14
2021/22	N/A	N/A	Closed	0	<1	56	14
2022/23	N/A	N/A				56	14