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New Oregon Black Rockfish projection

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To: Marlene Bellman - NOAA Affiliate <marlene.bellman@noaa.gov>, Todd Phillips - NOAA Affiliate <todd.phillips@noaa.gov>

Cc: Chantel Wetzel - NOAA Federal <Chantel.Wetzel@noaa.gov>, Jim Hastie <jim.hastie@noaa.gov>

Hi Marlene and Todd,

I saw the request from ODFW for a new Oregon black rockfish projection.

It is my understanding that it assumes a P^* of 0.45, $\sigma = 0.5$ and removals of 466 mt in years 2023 and 2024.

Below is the projection table for that run. Very little change (maybe ~2-6mt/year more).

If this is not what was expected, please let me know.

-Jason

Year	Predicted OFL (mt)	ABC catch	Age 0+	Spawning output	Fraction unfished
2023	396.25	466.00	6048.92	674.10	0.45
2024	380.73	466.00	5980.53	643.12	0.43
2025	374.20	349.88	5945.70	612.95	0.41
2026	382.71	355.92	6041.11	607.49	0.41
2027	392.95	363.87	6133.89	610.12	0.41
2028	402.44	371.05	6214.95	618.22	0.41
2029	410.10	376.06	6281.75	628.96	0.42
2030	415.76	379.59	6335.89	640.24	0.43
2031	419.69	381.50	6379.90	650.68	0.44
2032	422.44	381.89	6416.99	659.65	0.44
2033	424.55	382.10	6450.21	667.15	0.45
2034	426.37	382.03	6480.92	673.38	0.45

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