**Kingfish Maine: Fishy Facts vs. TRUTH Facts**

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| **KINGFISH FISHY FACT** | **TRUTH FACT** | **SOURCES/NOTES** |
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| **OPERATIONAL** |  |  |
| We are a company with a proven track record in environmental compliance and a leader in production of high value, sustainable seafood. -We meet all environmental standards with our current facility in the Netherlands, operating in a Natura 2000 nature reserve. We have been given permission in the Netherlands to expand our operations with a clean environmental record.  | **Kingfish Maine and Kingfish Zeeland will not be the same kinds of factories and are not comparable. Kingfish Zealand now admits they do NOT run on “100 percent renewable energy, sourced from wind, solar, and biogas.** **Kingfish Maine will predominately rely on energy from the power grid which will require an estimated $12M upgrade.**  | <https://www.jonesportfishfacts.com/facts>Quote: “The Letter of Intent (LOI) contained a mini-description of the project to be funded: ‘to upgrade Emera’s electric substation and electric lines to increase megawatt power and capacity for the Town of Jonesport to facilitate pending economic development projects. The total project cost has been estimated at $12 million.’” <https://www.machiasnews.com/will-fish-farm-propel-12m-power-line-upgrade-jonesport>   |
| **PRODUCT CERTIFICATION** |  |  |
| Our products are certified/approved as sustainable and environmentally friendly by Aquaculture Stewardship Council (ASC), Best Aquaculture Practices (BAP) and British Retail Consortium (BRC). Cultured yellowtail kingfish is also a “Best Choice” under Monterrey Bay Aquarium Seafood Watch program.  | **The Maine Lobsterman’s Association has a defamation lawsuit against the Monterey Bay Aquarium for “red tagging” Maine lobster.**  | <https://www.jonesportfishfacts.com/facts><https://mlcalliance.org/2023/04/14/mla-joins-industry-allies-to-sue-monterey-bay-aquarium> |
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| **KINGFISH FISHY FACT** | **TRUTH FACT** | **SOURCES/NOTES** |
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| **DISCHARGE,ANTIDEGRADATION + OUTFALL** |  |  |
| The Maine DEP confirms the outfall, either by itself or in combination with other discharges, will not lower the quality of Chandler Bay beyond its current classification under state statutes. Chandler Bay is classified as an SB water body.We are using the best available technology for treating our water prior to discharge. As required by the state, we submitted a thorough review, supported by peer-reviewed, scientific literature. Our effluent is assessed for multiple water quality parameters, including:-total suspended solids (TSS) and Biological Oxygen Demand (BOD): TSS and BOD permitted in the license issued are standard levels allowed by DEP in licensing fish and shellfish aquaculture facilities.-Temperature: The temperature of Chandler Bay will be impacted by “0 degrees” – this is in the fact sheet of our discharge license Phosphorus: Phosphorus is deemed a “minor contributing factor” by the DEP in water quality of marine environments, so we are required to Monitor and report this characteristic of the effluent. | **Kingfish does not meet the antidegradation licensing criteria that protects the waters of Maine from pollutants like nitrogen.** **The Maine DEP determined that Kingfish Maine’s effluent will degrade the waters of Chandler Bay in Kingfish’s MPDES permit by discharging 3 times the amount of nitrogen allowed. This finding was overruled by a letter from the DECD that states Kingfish Maine’s degradation of the waters of Chandler Bay was to be overlooked in favor of economic development to the state.****Based on the Department staff’s review and analysis and the record information as described in the Fact Sheet, the Department finds that Kingfish’s proposed discharge concentration of 6.6 mg/L would not meet the default antidegradation licensing criteria threshold of 2.1 mg/L at full flow. The proposed discharge value of 6.6 mg/L would consume 64% of the remaining assimilative capacity of the receiving water.****Kingfish Maine is not using the best technology available for treating their wastewater prior to discharging it into Chandler Bay. Better technology exists with zero discharge.**  | [Kingfish Maine, Major Projects before the department, Maine DEP](https://www.maine.gov/dep/projects/kingfish/index.html)(Kingfish MEPDES Permit Final Fact Sheet, page 20/22 of 44)<https://www.maine.gov/dep/ftp/projects/kingfish/ME0037559_2021%20FINAL%20with%20attachments.pdf><https://www.maine.gov/dep/ftp/projects/kingfish/applications/MEPDES/DECD%20Statement%20on%20Economic%20Impact%20Kingfish.pdf> <https://www.jonesportfishfacts.com/facts> Quote: “Ideal for cold and warm water species, BioFishency ELX is a robust zero discharge water treatment system that outpowers the inefficiencies of biological RAS.” <https://biofishency.com/project_categories/biofishency_elx/>  |
| **KINGFISH FISHY FACT** | **TRUTH FACT** | **SOURCES/NOTES** |
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| **Discharge, Antidegradation, and Outfall cont’d** |  |  |
| **Effluent parameters cont’d**-pH: The pH of Chandler Bay will not change as a result of our effluent. The pH range authorized by DEP is the standard range allowed in fish and shellfish aquaculture facilities.Kingfish submitted data from the operating farm in the Netherlands, which has always been in compliance with the limits of the permits issued by the Dutch government. | **Kingfish founder and former CEO Ohad Maiman knows this and is now Chairman of the Board of BioFischency. A company that produces zero discharge RAS water treatment systems that do not discharge pollutants into receiving waters like Chandler Bay** | Quote: “Ohad Maiman, founder and former CEO of yellowtail producer The Kingfish Company, has taken on a new senior aquaculture role. He has been appointed Chairman of the board of the Israeli high-tech company BioFishency, which specializes in electro-chemical and biological filter technology treatments for RAS (recirculating aquaculture systems) plants.” <https://www.fishfarmermagazine.com/news/new-tech-role-for-kingfish-company-founder>  |
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| **KINGFISH FISHY FACT** | **TRUTH FACT** | **SOURCES/NOTES** |
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| **Discharge, Antidegradation + Outfall cont’d** |  |  |
| **Effluent parameters cont’d** | **Commercially viable zero discharge RAS systems exist. Unlike Maine, Washington State has had the foresight to team up with zero discharge RAS company Sustainable Blue to protect their waters.****Per Maine’s standards for classification of estuarine and marine waters, Title 38 S 465-B: Discharges to Class SB waters may not cause adverse impact to estuarine and marine life in that the receiving waters must be of sufficient quality to support all estuarine and marine species indigenous to the receiving water without detrimental changes in the resident biological community. There may be no new discharge to Class SB waters that would cause closure of open shellfish areas by the DMR.** | **Title 38, Section 465: Standards for classification of estuarine and marine waters.** [Title 38, §465-B: Standards for classification of estuarine and marine waters (maine.gov)](https://legislature.maine.gov/statutes/38/title38sec465-B.html#:~:text=%C2%A7465-B.%20Standards%20for%20classification%20of%20estuarine%20and%20marine,PL%201989%2C%20c.%20890%2C%20Pt.%20B%2C%20%C2%A766%20%28AMD%29.%5D)Quote: **“**Commissioner of Public Lands Hilary Franz signed today a partnership agreement with Nova Scotia-based Sustainable Blue, a zero discharge, land-based salmon farming company, to identify opportunities for siting sustainable finfish aquaculture in Washington State.” <https://www.dnr.wa.gov/news/commissioner-franz-partners-sustainable-blue-identify-opportunities-land-aquaculture-state> <https://www.sustainableblue.com/sustainability>[Homepage - BioFishency](https://biofishency.com/) |

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| **KINGFISH FISHY FACT** | **TRUTH FACT** | **SOURCES/NOTES** |
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| **NITROGEN** |  |  |
| Our daily nitrogen outfall, as outlined in our permit, meets the state’s licensing criteria. And those numbers have remained consistent through our permitting process. -The nitrogen outfall from production is permitted to discharge 1580lbs of nitrogen per day, which meets the state’s licensing criteria.-Modelling performed by consultants with over 20 years’ experience in environmental modelling, using data collected over 30 years from NOAA buoys in Chandler and Englishman's Bay, demonstrates this amount of nitrogen would result in 0.038mg/l nitrogen increase.-This amount of additional nitrogen (in addition to what is already existing in Chandler Bay) will not change the oxygen levels currently in Chandler Bay nor will it hinder the growth of eelgrass.-Our outfall, as permitted, will not kill eelgrass: Our outfall is below the remaining assimilative capacity to impact eelgrass. | **There are no NOAA buoys in Chandler Bay or Englishman Bay. The closest NOAA buoys are in Cutler and 20 nautical miles out to sea SE off of Jonesport. NOAA buoys do not measure nitrogen. There is not 30 years of data to study as stated by Kingfish because it simply does not exist.****Kingfish’s modeling is questionable. No studies exist of the tidal currents of Chandler Bay. No data exists from NOAA buoys.****Eelgrass habitats in and around Chandler Bay will be affected by the nitrogen rich effluent from Kingfish’s discharge pipes. The DEP states this within Kingfish’s MPDES permit.****The DEP has determined that the proposed nitrogen discharge from the Kingfish facility WILL result in a lowering of water quality as it relates to eelgrass habitat.** | <https://www.jonesportfishfacts.com/facts> [Kingfish Maine, Major Projects before the department, Maine DEP](https://www.maine.gov/dep/projects/kingfish/index.html)<https://www.ndbc.noaa.gov/station_page.php?station=44027> <https://www.ndbc.noaa.gov>  |

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| **OXYGEN LEVELS** |  |  |
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| Oxygen levels in Chandler Bay will be unaffected by our effluent.The Department findings, direct from our MEPDES permit: - Existing in-stream water use will be maintained and protected.” - “The discharge is not to an outstanding nation resource water.” -“The standards of the assigned classification will be met in all receiving water affected by the discharge or that the discharge will not cause or contribute to the failure of the receiving waters to meet standards.” -“Actual water quality is maintained and protected where any criterion of water quality exceeds the minimum standards of the next highest classification.”  | **As previously documented, Kingfish Maine will degrade the waters of Chandler Bay according to the antidegradation rules of the DEP.** | [Kingfish Maine, Major Projects before the department, Maine DEP](https://www.maine.gov/dep/projects/kingfish/index.html) Kingfish MEPDES Permit Final Fact Sheet, page 29 of 44 <https://www.jonesportfishfacts.com/facts> |

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| **EFFLUENT** |  |  |
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| Kingfish is using the best available treatment technology for treating its effluent.-Kingfish was required and submitted to the state thorough information detailing the best available treatment technologies, how effective they are in marine facilities, + how we implement them to optimize efficiency. -Kingfish’s effluent is not comparable to a municipal wastewater treatment plant because we use saltwater not freshwater. The processes work differently in fresh + saltwater. -We have a tried and tested system for treating our effluent in the Netherlands; our water quality testing results demonstrate consistent compliance with our permits there. -Zero-discharge recirculating systems are not tested at commercial scale. -While this technology is in development, the only examples of it are (1) only on a research scale, (2) no longer operational, or (3) are not responsive to outreach. -If this technology was available, wouldn’t it make sense for Kingfish to use it – it would be a whole permit we would no longer need!  | **Nitrogen is nitrogen whether found in freshwater or saltwater, it is a chemical element.****Commercially viable zero discharge RAS systems do exist and will be used in Washington State as explained and documented above.** | <https://www.jonesportfishfacts.com/facts>[Kingfish Maine, Major Projects before the department, Maine DEP](https://www.maine.gov/dep/projects/kingfish/index.html)<https://www.epa.gov/nutrientpollution/where-nutrient-pollution-occurs>  |

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| **WATER QUALITY** |  |  |
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| The DEP confirms the water uses will be maintained and protected and the discharge as permitted will not cause or contribute to the failure of the receiving water.-As permitted by the DEP, the discharge will meet the antidegradation requirements. - The DEP denied an earlier appeal by the Sierra Club. Kingfish did not receive any special treatment or allowances. Our permits were granted on the basis of independent environmental data. -Kingfish’s effluent is compliant with all state and federal standards; no exceptions were given. -As required by the DEP, Kingfish submitted an Economic Impact Assessment performed by the University of Maine.  | **As documented above, the discharge did not meet the antidegradation requirements and was only permitted due to a letter from the DECD.** | <https://www.jonesportfishfacts.com/facts>[Kingfish Maine, Major Projects before the department, Maine DEP](https://www.maine.gov/dep/projects/kingfish/index.html)DECD Letter: [bing.com/ck/a?!&&p=4fd3fda5a46f1960JmltdHM9MTY5NTYwMDAwMCZpZ3VpZD0wODFlOGViOC1mZjhmLTZlMDEtMTlkZC05ZGNkZmViMzZmMDImaW5zaWQ9NTE5MQ&ptn=3&hsh=3&fclid=081e8eb8-ff8f-6e01-19dd-9dcdfeb36f02&psq=decd+letter+kingfish+maine&u=a1aHR0cHM6Ly93d3cubWFpbmUuZ292L2RlcC9mdHAvcHJvamVjdHMva2luZ2Zpc2gvYXBwbGljYXRpb25zL01FUERFUy9ERUNEJTIwU3RhdGVtZW50JTIwb24lMjBFY29ub21pYyUyMEltcGFjdCUyMEtpbmdmaXNoLnBkZg&ntb=1](https://www.bing.com/search?q=decd+letter+kingfish+maine&cvid=17f077670f2c479281f3e871dc92e9b1&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIGCAEQRRhA0gEINDc4M2owajSoAgCwAgA&FORM=ANAB01&PC=U531)[Ordinances & Zoning - Town of Jonesport, Maine | Jonesport Town Office](https://www.townofjonesport.com/office/ordinances-zoning.php) |

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| **KINGFISH FISHY FACT** | **TRUTH FACT** | **SOURCES/NOTES** |
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| **Water Quality cont’d** |  |  |
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| -This study was then evaluated by DECD to ensure the economic modelling and projections were performed correctly. -The DECD letter is included in the DEP application and states that the study demonstrates that Kingfish’s development will provide social and economic benefit to the state. | **The DECD Letter gives Kingfish the leeway needed to allow them to bypass water quality requirements and gave the Planning Board in Jonesport the leeway to bypass stringent water quality standards per town ordinances.** | DECD Letter: [bing.com/ck/a?!&&p=4fd3fda5a46f1960JmltdHM9MTY5NTYwMDAwMCZpZ3VpZD0wODFlOGViOC1mZjhmLTZlMDEtMTlkZC05ZGNkZmViMzZmMDImaW5zaWQ9NTE5MQ&ptn=3&hsh=3&fclid=081e8eb8-ff8f-6e01-19dd-9dcdfeb36f02&psq=decd+letter+kingfish+maine&u=a1aHR0cHM6Ly93d3cubWFpbmUuZ292L2RlcC9mdHAvcHJvamVjdHMva2luZ2Zpc2gvYXBwbGljYXRpb25zL01FUERFUy9ERUNEJTIwU3RhdGVtZW50JTIwb24lMjBFY29ub21pYyUyMEltcGFjdCUyMEtpbmdmaXNoLnBkZg&ntb=1](https://www.bing.com/search?q=decd+letter+kingfish+maine&cvid=17f077670f2c479281f3e871dc92e9b1&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIGCAEQRRhA0gEINDc4M2owajSoAgCwAgA&FORM=ANAB01&PC=U531) |

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| **MONITORING OF WATER QUALITY** |  |  |
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| We have a monitoring system in place.- As part of our permit, we must contract with a state certified water quality laboratory to monitor our effluent as well as remote sites around Chandler Bay to ensure water quality is maintained. - The monitoring in the bay will be from May to October from 2022 and in perpetuity. -Temperature, depth, salinity, dissolved oxygen, pH, chlorophyll in situ fluorescence, and turbidity will be measured by multiparameter sonde. - Nitrogen, phosphorus, nitrate plus nitrite and extracted chlorophyll + phaeopigment samples will be collected as grab samples. - All samples will be analyzed in the Marine Water Quality Laboratory (MWQL) at the Darling Marine Center which is accredited by the State of Maine to perform the above laboratory analyses. - Results from the lab are reported directly from the lab to the DEP. If we are out of compliance, we would be shut down.  | **Water quality monitoring will be done in designated parts of Chandler Bay and clam flats per Planning Board Agreement with Kingfish upon approval of their permit application with the town.** **Water Modeling recently done by Jason Krumholz indicates a circular tidal motion exists in Chandler Bay as opposed to the in/out tidal flow claimed by Kingfish.** | <https://www.jonesportfishfacts.com/facts>Refer to Jason Krumholz affidavit re: tidal modeling |

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| **FRESH WATER USAGE** |  |  |
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| We will only use freshwater at our facility for cleaning, restrooms and processing.-No freshwater is being discharged into Chandler Bay- Our facility will pump from a single freshwater well with a maximum output of 35 gallons per minute.-This withdrawal would not impact any other wells or the overall freshwater table, as confirmed by a recent hydrogeologic study performed by licensed professionals.  | **Kingfish requires fresh water and salt water for their operations. Fresh water from the Jonesport aquifer, used by the town for drinking water, will be utilized.****Jonesport claims they have limited/compromised fresh water already (aquifer)** |  <https://www.jonesportfishfacts.com/facts>[Kingfish Maine, Major Projects before the department, Maine DEP](https://www.maine.gov/dep/projects/kingfish/index.html)Tastes Quote: “The tang of the salt air reaches your lips while you comb the beach for shells, but if you do not conserve fresh water, salt water will be pouring from your tap as well. Beals especially, but coastal Jonesport as well, has a very shallow aquifer of freshwater from which we all drink. It will sustain a community’s necessities but it will not sustain suburban lawns, daily car washes or other luxury practices. Learn to conserve water and enjoy fresh water into the future.” [Water Conservation | Water Conserve](http://www.waterconserve.com/) |
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| **INTAKE** |  |  |
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| Our intake will not “vacuum” in the sea and “all the larvae in it”: Our intake velocity is 0.5fps which is equal to 0.29 knots. - Our intake is engineered to minimize entrainment, entrapment, and impingement, according to the EPA standards, which are the result of multiple studies spanning several decades. - Our current system in the Netherlands is proof; larval lobsters, mussels, and scallops are abundant and thrive in the Oosterschelde where we have our intake in the Netherlands. -Our pipes will be anchored with concrete structures which are designed to enhance biological growth and recruitment, providing additional habitat for juvenile lobsters. Our intake will not “vacuum” in the sea and “all the larvae in it”: Our intake velocity is 0.5fps which is equal to 0.29 knots. -The company designing them, ECOncrete, has experience all over the world implementing these types of structures to enhance existing habitat and develop new habitat.  | **<<Need a TRUTH FACT statement here>>** | <https://www.jonesportfishfacts.com/facts> |
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| **EUTROPHICATION** |  |  |
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| **“In the coming years, production at our site in Zeeland will expand significantly. Production inevitably I s accompanied by the discharge of waste water and nutrients into the environment. The discharge of nutrients, especially o f nitrogen and phosphorus, can cause eutrophication of surface water. To minimize our impact on the environment, Kingfish Zeeland wants to treat its wastewater before discharge.”****“We are currently building a full-scale waste water treatment plant.”** | **Nitrogen is extracted at the Zeeland facility in the Netherlands. There is no plan to extract nitrogen at the US facility in Jonesport Maine.** | Need Linked in screen captures – .png files were not readablePer research done by Jessica Goldblatt, further nformation has not been available (assume position was filled?) Verbiage quoted came from the Kingfish listing for waste water treatment internship at Kingfish Zeeland that admits that their discharge can cause eutrophication.[The Kingfish Company (lever.co)](https://jobs.lever.co/kingfish-company)Link originally referred to is no longer available.[Not found – 404 error (lever.co)](https://jobs.lever.co/kingfish-company/cc95c8dd-76b5-40fc-a54d-fdd7caf2148e) |

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| **JOB CREATION** |  |  |
| We will create 70+ jobs at full production. -We are committed to providing year-round, well-paid positions to local residents; jobs that offer robust health and retirement benefits. -At present, we employ over 100 in the Netherlands from the community. -We continue to collaborate with the Washington County Community College, the Labor Department, and the Sunrise County Economic Council on establishing apprenticeships and training programs to develop local workforce. Read more here about our work. -We launched an aquaculture program at JBHS by assisting in caring for the tilapia and assembling systems to grow them. Since 2020, the student count has increased, and the teacher has secured independent grants to enhance the program to include aquaponics - growing plants with the nutrients in the wastewater. They have harvested over 25 pounds of leafy greens!  | **In the DECD letter, which is part of Kingfish’s MPDES permit, 100+ new full-time jobs were promised once operational in Kingfish’s “But For” letter.** **Kingfish’s “But For” letter of December 2020 submitted to Maine DECD indicates that the project will result in 100+ new full-time positions at the facility with an average annual wage of $60K.****While Kingfish continues to claim there will be 70 full time jobs once operational, there is conflicting evidence that there will only be up to 10 full time jobs once operational.** **The Pine Tree Development Zone (PTDZ) program only requires that a business hire 1 employee at higher-than-average salary to qualify for the 5–10-year state tax exemptions as outlined in the PTDZ. There are no other employment number requirements.**  | <https://www.jonesportfishfacts.com/facts><https://www.maine.gov/dep/ftp/projects/kingfish/ME0037559_2021%20FINAL%20with%20attachments.pdf>DECD Letter: [bing.com/ck/a?!&&p=4fd3fda5a46f1960JmltdHM9MTY5NTYwMDAwMCZpZ3VpZD0wODFlOGViOC1mZjhmLTZlMDEtMTlkZC05ZGNkZmViMzZmMDImaW5zaWQ9NTE5MQ&ptn=3&hsh=3&fclid=081e8eb8-ff8f-6e01-19dd-9dcdfeb36f02&psq=decd+letter+kingfish+maine&u=a1aHR0cHM6Ly93d3cubWFpbmUuZ292L2RlcC9mdHAvcHJvamVjdHMva2luZ2Zpc2gvYXBwbGljYXRpb25zL01FUERFUy9ERUNEJTIwU3RhdGVtZW50JTIwb24lMjBFY29ub21pYyUyMEltcGFjdCUyMEtpbmdmaXNoLnBkZg&ntb=1](https://www.bing.com/search?q=decd+letter+kingfish+maine&cvid=17f077670f2c479281f3e871dc92e9b1&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIGCAEQRRhA0gEINDc4M2owajSoAgCwAgA&FORM=ANAB01&PC=U531)Quote: Feb 28, 2023, in Mainebiz “At 50,000 square feet, the planned facility intends to hire up to 100 workers during a phased build-out, although **up to 10 full-time jobs at the site are expected once operational.”** <https://www.mainebiz.biz/article/with-loan-insurance-kingfishs-jonesport-aquaculture-facility-is-a-step-closer-to-opening> **“14. Qualified Pine Tree Development Zone Business.** “Qualified Pine Tree Development Zone business" or "qualified business" means any for-profit business in this State engaged in or that will engage in financial services, manufacturing or a targeted technology business that has added or will add at least **one qualified PTDZ employee above its base level** of employment in this State and that meets the additional criteria set forth in 30-A M.R.S.§5250-I (17).” <https://www.maine.gov/sos/cec/rules/19/100/100c100.docx> |
| **KINGFISH FISHY FACT** | **TRUTH FACT** | **SOURCES/NOTES** |
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| **Job Creation cont’d** |  |  |
| - We are building our staff at our hatchery facility in UMaine’s Center for Cooperative Aquaculture Research. We participate in the state’s Pine Tree Development Zone program, which requires us to maintain compensation rates and benefit programs. |  |  |

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| **TAX CREDITS** |  |  |
| Jonesport will benefit from Kingfish Maine’s commitment to the community.-Kingfish has not asked for tax credits from Jonesport.- When our operation is fully online, we will contribute to the town’s tax base and provide a substantial savings in property taxes for Jonesport residents. --Kingfish is currently working with marine regulators for clearance to use our fish processing waste as lobster bait.  | **<<Need a TRUTH FACT statement here>>** | <https://www.jonesportfishfacts.com/facts>Quote: "Dianna Fletcher, communications consultant, shares how the company earned its social license through targeted public relations strategies." <https://open.spotify.com/episode/29P5HzfMAxTgsNmmrjsLFC?si=5xIdxWT8S-mZ-VfhfhvouQ&context=spotify%3Ashow%3A0A4LbYbZ6uIUSAUt9KIPFI> |

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| **ALGAE BLOOMS** |  |  |
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| Our outfall will not cause toxic algal blooms. -We rely on the water from Chandler Bay to grow our fish just as the fisherman rely on the water to catch theirs. -If our outfall was going to cause toxic algal blooms in the bay, we would kill all our fish in our own facility.  | **From Kingfish’s own “Admission Document”, “oxygen depletion, diseases, viruses, bacteria, parasites, algae blooms and other contaminants” are outlined as risks associated with their business for Kingfish’s foreign investors.****In Kingfish’s MPDES permit the DEP explains that excess nitrogen is the main cause of algal blooms and oxygen depletion in receiving waters like Chandler Bay.** **Risk relating to biomass, including diseases:****The Groups operations are subject to several biological risks which could have a negative impact on future profitability and cash flows. Biological risks include for instance; oxygen depletion, diseases, viruses, bacteria, parasites, algae blooms and other contaminants, which may have adverse effects on fish survival, health, growth and welfare and result in reduced harvest weight and volume, downgrading o f products and claims from customers. An outbreak of a significant or severe disease represents a cost for the Group through e.g. direct loss of fish, loss of biomass growth, accelerated harvesting and poorer quality on the harvested fish and may also be followed by a subsequent period of reduced production capacity and loss of income. The most severe diseases may require culling and disposal of the entire stock, disinfection of the farm and a long subsequent fallow period as preventative measures to stop the disease from spreading.**  |  <https://www.jonesportfishfacts.com/facts>[Kingfish Maine, Major Projects before the department, Maine DEP](https://www.maine.gov/dep/projects/kingfish/index.html)<https://www.the-kingfish-company.com/presentations>  <https://www.the-kingfish-company.com/_files/ugd/433562_35c25c2b6122438d8f10b9e12ca0f552.pdf><https://www.maine.gov/dep/ftp/projects/kingfish/ME0037559_2021%20FINAL%20with%20attachments.pdf><https://www.the-kingfish-company.com/_files/ugd/433562_35c25c2b6122438d8f10b9e12ca0f552.pdf>  |

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| **KINGFISH FISHY FACT** | **TRUTH FACT** | **SOURCES/NOTES** |
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| **Algae Blooms cont’d** |  |  |
|   | **Market access could be impeded by strict border controls or by national food safety authorities, not only for Yellowtail from the infected farm, but also for products originating from a wider geographical area surrounding the site of an outbreak. Continued disease problems may also attract negative media attention and public concerns. Fish farming has historically experienced several episodes with extensive disease problems and no assurance can be given that this can be given that this will not happen in the future. Epidemic outbreaks of diseases may have a material adverse effect on business, financial condition, results of operations or cash flow of the Group.”** |   |
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| **KINGFISH FISHY FACT** | **TRUTH FACT** | **SOURCES/NOTES** |
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| **EELGRASS** |  |  |
| -The nitrogen outfall from production is permitted to discharge 1580lbs of nitrogen per day, which meets the state’s licensing criteria.-Modelling performed by consultants with over 20 years’ experience in environmental modelling, using data collected over 30 years from NOAA buoys in Chandler and Englishman's Bay, demonstrates this amount of nitrogen would result in 0.038mg/l nitrogen increase.-This amount of additional nitrogen (in addition to what is already existing in Chandler Bay) will not change the oxygen levels currently in Chandler Bay nor will it hinder the growth of eelgrass.-Our outfall, as permitted, will not kill eelgrass: Our outfall is below the remaining assimilative capacity to impact eelgrass. | **Eelgrass habitats in and around Chandler Bay will be affected by the nitrogen rich effluent from Kingfish’s discharge pipes. The DEP states this within Kingfish’s MPDES permit.****The DEP has determined that the proposed nitrogen discharge from the Kingfish facility WILL result in a lowering of water quality as it relates to eelgrass habitat.** |  <https://www.jonesportfishfacts.com/facts>[Kingfish Maine, Major Projects before the department, Maine DEP](https://www.maine.gov/dep/projects/kingfish/index.html) |
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| **KINGFISH FISHY FACT** | **TRUTH FACT** | **SOURCES/NOTES** |
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| **BUOYS** |  |  |
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| Modeling performed by consultants with over 20-years experience in environmental modeling, using data collected over 30 years from NOAA buoys in Chandler and Englishman Bays, demonstrates this amount of nitrogen would result in 0.038 mg/L nitrogen increase. | **There are no active or historical NOAA buoys in Chandler Bay or Englishman Bay. The closest NOAA buoys are in Cutler and 20 nautical miles out to sea SE off Jonesport. NOAA buoys do not collect or measure nitrogen. There is not 30 years of data to study as stated by Kingfish because it simply does not exist.****Kingfish’s modeling is questionable. No studies exist of the tidal currents of Chandler Bay. No data exists from NOAA buoys.****Not only are there no buoys currently but also no historic buoys were found on any NOAA buoy maps of Chandler or Englishman Bays.** | <https://www.jonesportfishfacts.com/facts><https://www.ndbc.noaa.gov/station_page.php?station=44027> <https://www.ndbc.noaa.gov>  |

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| **KINGFISH FISHY FACT** | **TRUTH FACT** | **SOURCES/NOTES** |
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| **TIDAL FLOW/MONITORING** |  |  |
| -Modelling performed by consultants with over 20 years’ experience in environmental modelling, using data collected over 30 years from NOAA buoys in Chandler and Englishman's Bay, demonstrates this amount of nitrogen would result in 0.038mg/l nitrogen increase. | **Kingfish’s modeling is questionable. No studies exist of the tidal currents of Chandler Bay. No data exists from NOAA buoys.****The tidal flow in Chandler Bay has never been studied. Kingfish thinks that the Chandler Bay tidal flow is in/out. Water Modeling recently done by Jason Krumholz indicates a circular tidal motion exists in Chandler Bay as opposed to the in/out tidal flow claimed by Kingfish.** | <https://www.jonesportfishfacts.com/facts><https://www.ndbc.noaa.gov/station_page.php?station=44027> <https://www.ndbc.noaa.gov> Refer to Jason Krumholz affidavit re: tidal modeling (WHEN AVAILABLE LINK TO DOCUMENT) |
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| **KINGFISH FISHY FACT** | **TRUTH FACT** | **SOURCES/NOTES** |
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|  **FINANCES** |  |  |
| Kingfish claims they have a line of credit for 4.5M from Rabobank. | **An analysis of Kingfish Maine’s financial capacity to construct an industrial-scale, land-based salmon farm on 94 acres fronting Chandler Bay was called into question in a letter by Financial Consultant, John Higgins sent to the Maine DEP and the Finance Authority of Maine (FAME).** | [SPECIAL REPORT: Analysis casts doubt on financial viability of yet another fish farm (substack.com)](https://theqsjournal.substack.com/p/special-report-analysis-casts-doubt) |
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