

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of Aquatic Resources
Honolulu, Hawaii 96813

April 9, 2021

Board of Land and Natural Resources
State of Hawaii
Honolulu, Hawaii

SUBJECT: Request Approval to Add Funding and Extend Through September 30, 2022 an Existing Federally Funded Project Agreement between the Department of Land and Natural Resources (DLNR) and the Research Corporation of the University of Hawaii (RCUH) for the Division of Aquatic Resources (DAR) Research Project Entitled “Investigation of Estuarine Habitats.”

EXECUTIVE SUMMARY

Approval is sought for Amendment No. 3 to Contract No. 67169 to add funding to the existing “Investigation of Estuarine Habitats” Project Agreement to be conducted with RCUH for an extension through September 30, 2022 in the approximate amount of \$820,000.

Project Objectives

1. Monitor and identify trends in juvenile fish recruitment, population dynamics and growth in 12 estuaries throughout the Hawaii Islands by: 1) sampling fish quarterly; 2) measuring underlying factors (i.e., freshwater inflow, invasive species) that may explain these trends; and 3) analyzing and interpreting data for comparison spatially and temporally to inform and improve management practices for estuaries as juvenile fish habitat.
2. Measure and compare habitat quality of estuaries as juvenile habitat using age, reproduction and growth of population dynamics by sampling one species (the Uouoa, *Neomyxus leuciscus*, sharp-nosed mullet) in two sites (Oahu and Hawaii Island) by using length-frequency analysis, gonad maturity (histology) and otoliths (ear bones) to read daily growth marks, and analyzing and interpreting data for comparison of life history traits between sites and estuary types to inform and improve management practices for estuaries as juvenile fish habitat.
3. Monitor how juvenile fishes respond to restored estuaries by sampling fish using environmental DNA (before and after restoration) and analyzing and interpreting data for comparison with unaltered sites (reference) to inform and improve management practices.
4. Work with contracted consultant Rapid Tek Solutions to maintain and improve DAR’s single database platform that is centralized and geo-references for management, access and security of aquatic ecosystems, species and recreational fisheries data for one year; train staff on usage of GISR databases; fund database upgrades including software license fees and data storage costs;

provide database and GIS support; grant coordination/administration and budgetary oversight.

Duration

The existing Project Agreement (Contract No. 67169, Amendment No. 2) is scheduled to run through September 30, 2021. This Amendment No. 3 will extend the project for one year from October 1, 2021 through September 30, 2022.

Funding Source

Federal funds for Amendment No. 3 in the total amount of \$820,000 from the U.S. Fish and Wildlife Service, Sport Fish Restoration Program (\$800,000) and NOAA Coral Reef Conservation Program (\$20,000).

HRS Chapter 343 - Compliance with Environmental Law

Contract No. 67169, Amendment No. 3 will continue to involve the use of state lands (submerged lands zoned in the Conservation District, Resource subzone) and use of state funds. The Department has determined that the actions to be conducted under the funding and time extension for this ongoing project will have little or no significant effect on the environment and are exempt from the preparation of an environmental assessment. See the Division's proposed Determination of Exemption from the preparation of an environmental assessment (attached).

REMARKS

There is a need for DAR to manage and conserve sport fish populations by improving management of juvenile fish habitats within Hawaiian estuaries (*muliwai*), as well as meet the expectations of the islands' fishing community now and in the future. Estuaries play critical roles in the management and conservation of many sport fishes because these ecosystems function as nursery habitats. The presence of large populations of juvenile fishes in estuaries is driven by two key factors: (1) estuaries are highly productive ecosystems that provide various and abundant food sources needed for rapid growth and; (2) estuaries are comprised of a diversity of habitat types that provide refuges from predators thus improving survival of species to adult.

Despite the view that estuaries function as fish nursery habitats, very little is understood about the role and dynamics of this habitat to coastal fish production in Hawaii. This project continues to examine the role of estuaries in providing functional nursery habitat for coastal fish species. A resultant comprehensive 5-year study of juvenile fish habitats in a broad range of estuary types throughout the Hawaiian Islands will be produced with the goal to inform and improve Hawaii's management of this ecosystem and its resources. Findings will characterize the seasonality, species, and size composition of both native and introduced fish species in Hawaii's estuaries.

Approval to amend and extend the existing Project Agreement (Contract No. 67169) is being requested concurrently from the Governor, through the Department of Budget and Finance. Also, the Project Agreement Amendment No. 3 is being prepared for submission to the Attorney General's Office for preliminary approval as to form and

content. DAR is aware implementation of this amended Project Agreement is dependent upon receipt of all required approvals as well as the availability of funds and that funding restrictions may occur at any time.

RECOMMENDATIONS

Based on the above discussion, the Division of Aquatic Resources requests:

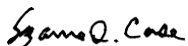
1. That the Board, based on the attached proposed declaration of exemption prepared after consultation with and on advice of those having similar expertise in exemption determinations for the proposed actions under the Project Agreement Amendment, declare that the actions which are anticipated to be undertaken under this Project Agreement Amendment will have little or no significant effect on the environment and are therefore exempt from the preparation of an environmental assessment.
2. That the Board authorize the Chairperson to approve and execute the Division of Aquatic Resources' Project Agreement Amendment No. 3 to Contract No. 67169 entitled "Investigation of Estuarine Habitats," with the Research Corporation of the University of Hawaii, subject to approval as to form and content by the Department of the Attorney General.

Respectfully submitted,



BRIAN J. NEILSON
Administrator

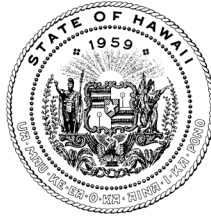
APPROVED FOR SUBMITTAL:



SUZANNE D. CASE
Chairperson

Attachment

DAVID Y. IGE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

SUZANNE D. CASE
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

ROBERT K. MASUDA
FIRST DEPUTY

M. KALEO MANUEL
ACTING DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
BUREAU OF CONVEYANCES
COMMISSION ON WATER RESOURCE MANAGEMENT
CONSERVATION AND COASTAL LANDS
CONSERVATION AND RESOURCES ENFORCEMENT
ENGINEERING
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION
LAND
STATE PARKS

April 9, 2021

TO: Division of Aquatic Resources File

THROUGH: Suzanne D. Case, Chairperson

FROM: Brian J. Neilson, Administrator 
Division of Aquatic Resources

SUBJECT: Declaration of Exemption from the Preparation of an Environmental Assessment under the Authority of Chapter 343, HRS, and Chapter 11-200, HAR, for a Request to Add Funding and Extend Through September 30, 2022 an Existing Federally Funded Project Agreement between the Department of Land and Natural Resources (DLNR) and the Research Corporation of the University of Hawaii (RCUH) for the Division of Aquatic Resources (DAR) Research Project Entitled "Investigation of Estuarine Habitats."

The following Project Agreement activities are found to be exempted from preparation of an environmental assessment under the authority of Chapter 343, Hawaii Revised Statutes (HRS) and Chapter 11-200, Hawaii Administrative Rules (HAR):

Project Title: Investigation of Estuarine Habitats

Project Description: Despite the view that estuaries function as fish nursery habitats, very little is understood about the role and dynamics of this habitat to coastal fish production in Hawaii. This project continues to examine the role of estuaries (*muliwai*) in providing functional nursery habitat for coastal fish species. A resultant comprehensive 5-year study of juvenile fish habitats in a broad range of estuary types throughout the Hawaiian Islands will be produced with the goal to inform and improve Hawaii's management of this ecosystem and its resources. Findings will characterize the seasonality, species, and size composition of both native and introduced fish species in Hawaii's estuaries.

Key project objectives during the grant period include the following:

- 1) Monitor and identify trends in juvenile fish recruitment, population dynamics and growth in 12 estuaries throughout the Hawaii Islands by: 1) sampling fish quarterly; 2) measuring underlying factors (i.e. freshwater inflow, invasive species) that may

explain these trends; and 3) analyzing and interpreting data for comparison spatially and temporally to inform and improve management practices for estuaries as juvenile fish habitat.

- 2) Measure and compare habitat quality of estuaries as juvenile habitat using age, reproduction and growth of population dynamics by sampling one species (species approach using *Uouoa Neomyxus leuciscus* (Sharp-nose mullet)) for in two sites (Oahu and Hawaii Island) by using length-frequency analysis, gonad maturity (histology) and otoliths (ear bones) to read daily growth marks, and analyzing and interpreting data for comparison of life history traits between sites and estuary types to inform and improve management practices for estuaries as juvenile fish habitat.
- 3) Monitor how juvenile fishes respond to restored estuaries by using environmental DNA (before and after restoration) and analyzing and interpreting data for comparison with unaltered sites (reference) to inform and improve management practices.
- 4) Work with contracted consultant Rapid Tek Solutions to maintain and improve DAR's single database platform that is centralized and geo-references for management, access and security of aquatic ecosystems, species and recreational fisheries data during one year; train staff on usage of GISR databases; fund database upgrades including software license fees and data storage costs; provide database and GIS support; grant coordination/administration and budgetary oversight.

The project biologists implement the following measures during sampling to minimize cumulative impact:

Sampling

All nets used to sample fishes are attended by biologists at all times. Fish removed from sampling nets are placed in buckets with aerated water, identified, measured, and returned to aerated buckets. Typically, each fish is handled for less than 10 seconds; this is the time required to identify and measure the length of each specimen. Depending on the number of fish sampled in a net, as well as the size of the fish sampled, multiple buckets are available to be used to split a sample, thereby minimizing stress from crowding and poor water quality. Also, for sites where large numbers of fish are typically sampled, an extra fisheries technician joins the sampling team to reduce stress on the fish and return them to the estuary in a timely manner. The number of fish sampled varies greatly by site and by season.

Baited Remote Underwater Video (BRUV)

Baited Remote Underwater Video is one of the additional methods utilized to monitor species assemblage, numbers and size of fish, and habitat use. The bait used in the BRUV (a mixture of canned mackerel mixed with bread) is designed to be dispersed in the water column that travels about 20 meters down current, thereby minimizing the duration and area in which sampling locations are concentrated with bait.

Consulted parties: U.S. Fish & Wildlife Service, Sport Fish Restoration Program

Exemption Determination: After reviewing §11-200-8, HAR, including the criteria used to determine significance under §§11-200-1 and 5, HAR, DLNR has concluded that the activities under this Project Agreement would have no significant effect on the environment and that approval of the Project Agreement is categorically exempt from the requirement to prepare an environmental assessment based on the following analysis:

1. All activities associated with this Project Agreement have been evaluated as a single action. Since this Project Agreement involves activities that are precedent to a later planned activity, i.e., the monitoring and collection of data and research, the categorical exemption determination here will treat all planned activities as a single action under § 11-200-8, HAR.
2. The Exemption Class #5 or Scientific Research with no Serious or Major Environmental Disturbance Appears to Apply. §11-200-8(a)(5), HAR, exempts the class of actions that involve “basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource.” This exemption class has been interpreted to include the data collection, research and resource evaluation activities related to estuarine habitats, such as those being proposed.

The proposed activities here appear to fall squarely under the exemption class identified under §11-200-8(a)(5), HAR, and as described under the 2015 DLNR exemption list class #5, items #2, #14 and #15, respectively, which includes “non-destructive data collection and inventory, including field, aerial and satellite surveying and mapping”, “...placing remote monitoring devices (to determine animal movement), cameras, equipment and feeders” and “research or experimental management actions that the Department declares are designed specifically to monitor, conserve, or enhance native species or native species' habitat”.¹

As discussed below, no significant disturbance to any environmental resource is anticipated. Thus, so long as the below considerations are met, an exemption class should include the action now contemplated.

3. Cumulative Impacts of Actions in the Same Place and Impacts with Respect to the Potentially Particularly Sensitive Environment Will Not Be Significant. Even where a categorical exemption appears to include a proposed action, the action cannot be declared exempt if “the cumulative impact of planned successive actions in the same place, over time, is significant, or when an action that is normally insignificant in its impact on the environment may be significant in a particularly sensitive environment.” §11-200-8(b), HAR. To gauge whether a significant impact or effect is probable, an

¹ Exemption list for DLNR, approved on June 5, 2015. See Office of Environmental Quality Control (OEQC) website: http://oeqc2.doh.hawaii.gov/Agency_Exemption_Lists/State-Department-of-Land-and-Natural-Resources-Exemption-List-2015-06-05.pdf

exempting agency must consider every phase of a proposed action, any expected primary and secondary consequences, the long-term and short-term effects of the action, the overall and cumulative effect of the action, and the sum effects of an action on the quality of the environment. §11-200-12, HAR.

Significant cumulative impacts are not anticipated as a result of this activity, and numerous safeguards further ensure that the potentially sensitive environment of the project area will not be significantly affected. All activities will be conducted in a manner that does not diminish marine resources, qualities, and ecological integrity, or have any indirect, secondary, cultural, or cumulative effects.

Since no significant cumulative impacts or significant impacts with respect to any particularly sensitive aspect of the project area are anticipated, the categorical exemptions identified above should remain applicable.

4. Overall Impacts will Probably have No Significant Effect on the Environment. Any foreseeable impacts from the proposed activity will be further mitigated by general and specific conditions attached to the Project Agreement. Specifically, all research activities covered by this Project Agreement will be carried out with strict safeguards for the natural, historic, and cultural resources, other applicable law and agency policies and standard operating procedures.

Conclusion. Upon consideration of the Project Agreement Amendment No. 3 of Contract No. 67169 to be approved by the Board of Land and Natural Resources, the potential effects of the above listed project as provided by Chapter 343, HRS and Chapter 11-200 HAR, have been determined to be of probable minimal or no significant effect on the environment and exempt from the preparation of an environmental assessment.

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of Aquatic Resources
Honolulu, Hawaii 96813

April 9, 2021

Board of Land and Natural Resources
State of Hawaii
Honolulu, Hawaii

SUBJECT: Request Approval to Add Funding and Extend Through September 30, 2022 an Existing Federally Funded Project Agreement between the Department of Land and Natural Resources (DLNR) and the Research Corporation of the University of Hawaii (RCUH) for the Division of Aquatic Resources (DAR) Research Project Entitled "Statewide Marine Resources Assessment."

EXECUTIVE SUMMARY

Approval is sought for Amendment No. 3 to Contract No. 67170 to add funding to the existing "Statewide Marine Resources Assessment" Project Agreement to be conducted with RCUH for an extension through September 30, 2022 in the approximate amount of \$520,000.

Project Objectives

1. Survey the diversity and abundance of marine fish species targeted by recreational fishers in 11 managed areas and 13 unprotected control locations around Oahu, Maui, and Kauai; collect and analyze data to determine changes in fish populations.
2. Conduct detailed habitat and environmental monitoring surveys at select coral reef sites on Oahu, Maui, and Kauai to measure changes in coral reef habitat health and their effects on finfish populations.
3. Survey the diversity and abundance of marine fish species and habitat quality in select areas around Oahu, where lay gillnet restrictions were imposed and at suitable control sites; and conduct surveys of fish and habitat resources to evaluate the effectiveness of the island-wide lay gillnet ban on Maui.
4. Perform habitat recovery monitoring surveys at Pilaa on the north coast of Kauai.
5. Conduct fishing activity surveys to increase knowledge of factors influencing trends in fish populations, fishing effort, and success at specific fishing sites around Oahu, Maui, and Kauai.

Duration

The existing Project Agreement (Contract No. 67170, Amendment No. 2) is scheduled to run through September 30, 2021. This Amendment No. 3 will extend the project for one year from October 1, 2021 through September 30, 2022.

Funding Sources

Federal funds for Amendment No. 3 in the total amount of \$520,000 from the U.S. Fish and Wildlife Service, Sport Fish Restoration Program.

HRS Chapter 343 - Compliance with Environmental Law

Contract No. 67170, Amendment No. 3 will continue to involve the use of state lands (submerged lands zoned in the Conservation District, Resource subzone) and use of state funds. The Department has determined that the actions to be conducted under the funding and time extension for this ongoing project will have little or no significant effect on the environment and are exempt from the preparation of an environmental assessment. See the Division's proposed Determination of Exemption from the preparation of an environmental assessment (attached).

REMARKS

The purpose of this research project is to conduct marine fish and habitat surveys to determine the impact of fishing pressure and management actions on finfish and their associated habitat. The focus of the research is to assess and monitor the status and trends of fisheries resources statewide. In addition, the information will be used to evaluate the effectiveness of statewide-managed areas, as well as current fisheries regulations.

Approval to amend and extend the existing Project Agreement (Contract No. 67170) is being requested concurrently from the Governor, through the Department of Budget and Finance. Also, the Project Agreement Amendment No. 3 is being prepared for submission to the Attorney General's Office for preliminary approval as to form and content. DAR is aware implementation of this amended Project Agreement is dependent upon receipt of all required approvals as well as the availability of funds and that funding restrictions may occur at any time.

RECOMMENDATIONS

Based on the above discussion, the Division of Aquatic Resources requests:

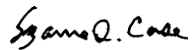
1. That the Board, based on the attached proposed declaration of exemption prepared after consultation with and on advice of those having similar expertise in exemption determinations for the proposed actions under the Project Agreement Amendment, declare that the actions which are anticipated to be undertaken under this Project Agreement Amendment will have little or no significant effect on the environment and are therefore exempt from the preparation of an environmental assessment.
2. That the Board authorize the Chairperson to approve and execute the Division of Aquatic Resources Project Agreement Amendment No. 3 (to Contract No. 67170) entitled "Statewide Marine Resources Assessment," with the Research Corporation of the University of Hawaii subject to approval as to form and content by the Department of the Attorney General.

Respectfully submitted,



BRIAN J. NEILSON
Administrator

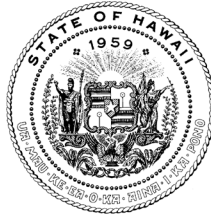
APPROVED FOR SUBMITTAL:



SUZANNE D. CASE
Chairperson

Attachment

DAVID Y. IGE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

SUZANNE D. CASE
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

ROBERT K. MASUDA
FIRST DEPUTY

M. KALEO MANUEL
ACTING DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
BUREAU OF CONVEYANCES
COMMISSION ON WATER RESOURCE MANAGEMENT
CONSERVATION AND COASTAL LANDS
CONSERVATION AND RESOURCES ENFORCEMENT
ENGINEERING
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION
LAND
STATE PARKS

April 9, 2021

TO: Division of Aquatic Resources File

THROUGH: Suzanne D. Case, Chairperson

FROM: Brian J. Neilson, Administrator *BV*
Division of Aquatic Resources

SUBJECT: Declaration of Exemption from the Preparation of an Environmental Assessment under the Authority of Chapter 343, HRS, and Chapter 11-200, HAR, for a Request to Add Funding and Extend Through September 30, 2022 an Existing Federally Funded Project Agreement between the Department of Land and Natural Resources (DLNR) and the Research Corporation of the University of Hawaii (RCUH) for the Division of Aquatic Resources (DAR) Research Project Entitled "Statewide Marine Resources Assessment."

The following Project Agreement activities are found to be exempted from preparation of an environmental assessment under the authority of Chapter 343, Hawaii Revised Statutes (HRS) and Chapter 11-200, Hawaii Administrative Rules (HAR):

Project Title: Statewide Marine Resources Assessment

Project Description: The purpose of this research project is to conduct marine fish and habitat surveys to determine the impact of fishing pressure and management actions on finfish and their associated habitat. The focus of the research is to assess and monitor the status and trends of fisheries resources statewide. In addition, the information will be used to evaluate the effectiveness of statewide-managed areas, as well as current fisheries regulations.

Key project objectives during the grant period include the following:

- 1) Survey the diversity and abundance of marine fish species targeted by recreational fishers in 11 managed areas and 13 unprotected control locations around Oahu, Maui, and Kauai; collect and analyze data to determine changes in fish populations.

- 2) Conduct detailed habitat and environmental monitoring surveys at select coral reef sites on Oahu, Maui, and Kauai to measure changes in coral reef habitat health and their effects on finfish populations.
- 3) Survey the diversity and abundance of marine fish species and habitat quality in select areas around Oahu, where lay gillnet restrictions were imposed and at suitable control sites; and conduct surveys of fish and habitat resources to evaluate the effectiveness of the island-wide lay gillnet ban on Maui.
- 4) Perform habitat recovery monitoring surveys at Pīlāa on the north coast of Kauai.
- 5) Conduct fishing activity surveys to increase knowledge of factors influencing trends in fish populations, fishing effort, and success at specific fishing sites around Oahu, Maui, and Kauai.

Consulted parties: Fish & Wildlife Service, SFR Program; NOAA CREP; UH CRAMP

Exemption Determination: After reviewing §11-200-8, HAR, including the criteria used to determine significance under §§11-200-1 and 5, HAR, DLNR has concluded that the activities under this Project Agreement would have no significant effect on the environment and that approval of the Project Agreement is categorically exempt from the requirement to prepare an environmental assessment based on the following analysis:

1. All activities associated with this Project Agreement have been evaluated as a single action. Since this research Project Agreement involves activities that are precedent to a later planned activity, i.e., the monitoring and collection of data and research, the categorical exemption determination here will treat all planned activities as a single action under §11-200-8, HAR.
2. The Exemption Class #5 or Scientific Research with no Serious or Major Environmental Disturbance Appears to Apply. §11-200-8(a)(5), HAR, exempts the class of actions that involve “basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource.” This exemption class has been interpreted to include the data collection, research and resource evaluation activities related to Maui, Oahu, and Kauai marine resources, such as those being proposed.

The proposed activities here appear to fall squarely under the exemption class identified under § 11-200-8(a)(5), HAR, and as described under the 2015 DLNR exemption list class #5, items #2 and #15, respectively, which includes “non-destructive data collection and inventory, including field, aerial and satellite surveying and mapping” and “research or experimental management actions that the Department declares are designed specifically to monitor, conserve, or enhance native species or native species’ habitat”.¹

¹ Exemption list for DLNR, approved on June 5, 2015. See Office of Environmental Quality Control (OEQC) website: http://oeqc2.doh.hawaii.gov/Agency_Exemption_Lists/State-Department-of-Land-and-Natural-Resources-Exemption-List-2015-06-05.pdf

3. Cumulative Impacts of Actions in the Same Place and Impacts with Respect to the Potentially Particularly Sensitive Environment Will Not Be Significant. Even where a categorical exemption appears to include a proposed action, the action cannot be declared exempt if “the cumulative impact of planned successive actions in the same place, over time, is significant, or when an action that is normally insignificant in its impact on the environment may be significant in a particularly sensitive environment.” §11-200-8(b), HAR. To gauge whether a significant impact or effect is probable, an exempting agency must consider every phase of a proposed action, any expected primary and secondary consequences, the long-term and short-term effects of the action, the overall and cumulative effect of the action, and the sum effects of an action on the quality of the environment. §11-200-12, HAR.

Significant cumulative impacts are not anticipated as a result of this activity, and numerous safeguards further ensure that the potentially sensitive environment of the project area will not be significantly affected. All activities will be conducted in a manner that does not diminish marine resources, qualities, and ecological integrity, or have any indirect, secondary, cultural, or cumulative effects.

Since no significant cumulative impacts or significant impacts with respect to any particularly sensitive aspect of the project area are anticipated, the categorical exemptions identified above should remain applicable.

4. Overall Impacts will Probably have No Significant Effect on the Environment. Any foreseeable impacts from the proposed activity will be further mitigated by general and specific conditions attached to the Project Agreement. Specifically, all research activities covered by this Project Agreement will be carried out with strict safeguards for the natural, historic, and cultural resources, other applicable law and agency policies and standard operating procedures.

Conclusion. Upon consideration of the Project Agreement Amendment No. 3 of Contract No. 67170 to be approved by the Board of Land and Natural Resources, the potential effects of the above listed project as provided by Chapter 343, HRS and Chapter 11-200 HAR, have been determined to be of probable minimal or no significant effect on the environment and exempt from the preparation of an environmental assessment.

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of Aquatic Resources
Honolulu, Hawaii 96813

April 9, 2021

Board of Land and Natural Resources
State of Hawaii
Honolulu, Hawaii

SUBJECT: Request Approval to Add Funding and Extend Through September 30, 2022 an Existing Federally-Funded Project Agreement between the Department of Land and Natural Resources (DLNR) and the Research Corporation of the University of Hawaii (RCUH) for the Division of Aquatic Resources (DAR) Research Project Entitled "Hawaii Marine Recreational Fishing Survey."

EXECUTIVE SUMMARY

Approval is sought for Amendment No. 4 of Contract No. 67351 to add funding to the existing "Hawaii Marine Recreational Fishing Survey" Project Agreement to be conducted with RCUH for an extension through September 30, 2022 in the approximate amount of \$685,000.

Project Objectives

1. Collect baseline data on marine recreational catch and effort to assist fishery resource management decisions.
2. Estimate fishing pressure and total landings of Hawaii's various marine recreational fisheries by integrating catch, effort and U.S. Census data.
3. Fulfill the mandatory Federal requirement for all U.S. coastal states to provide recreational catch and effort data to NOAA Fisheries.

Duration

The existing Project Agreement (Contract No. 67351, Amendment No. 3) is scheduled to run through September 30, 2021. This Amendment No. 4 will extend the project for one year from October 1, 2021 through September 30, 2022.

Funding Source

Amendment No. 4 will include a combination of funds listed below in the total amount of \$685,000:

- 1) Federal funds (\$585,000): \$285,000 from the National Oceanic and Atmospheric Administration (NOAA) and \$300,000 from the U.S. Fish and Wildlife Service, Sport Fish Restoration Program.
- 2) Special Funds (\$100,000): \$100,000 from LNR 153 Commercial Fisheries Special Fund as required State match.

HRS Chapter 343 - Compliance with Environmental Law:

Contract No. 67351, Amendment No. 4 will continue to involve the use of state lands (submerged lands zoned in the Conservation District, Resource subzone) and use of state funds. The Department has determined that the actions to be conducted under the funding and time extension for this ongoing project will have little or no significant effect on the environment and are exempt from the preparation of an environmental assessment. See the Division's proposed Determination of Exemption from the preparation of an environmental assessment (attached).

REMARKS

Fisher surveys compile marine recreational fishing catch and effort data relevant to all DAR programs. Unlike mandatory catch reporting by commercial fisheries, marine recreational fishing information has been largely unaccounted, yet believed to have a substantial impact on Hawaii's fishery resources due to its widespread popularity, cultural significance, and importance as a food source for the people of Hawaii.

By conducting routine interviews with both shoreline and private boat fishers statewide, the project provides both State and Federal agencies with baseline data that is vital to responsible management of Hawaii's fishery resources. Catch data (e.g., species, numbers, length, weight and disposition of catch), effort data (e.g., hours fished, areas fished, target species, gear types and methods used) and U.S. Census data, are to be integrated as fisheries statistics to estimate fishing pressure and total landings in Hawaii's various marine recreational fisheries for eventual public posting on a NOAA Fisheries website. Under the Magnuson-Stevens Fishery Conservation and Management Act, as amended and reauthorized, all U.S. coastal states are required to provide recreational catch and effort data to NOAA Fisheries.

Approval to amend and extend the existing Project Agreement (Contract No. 67351) is being requested concurrently from the Governor, through the Department of Budget and Finance. Also, the Project Agreement Amendment No. 4 is being prepared for submission to the Attorney General's Office for preliminary approval as to form and content. DAR is aware implementation of this Project Agreement Amendment is dependent upon receipt of all required approvals as well as the availability of funds and that funding restrictions may occur at any time.


RECOMMENDATIONS

Based on the above discussion, the Division of Aquatic Resources requests:

1. That the Board, based on the attached proposed declaration of exemption prepared after consultation with and on advice of those having similar expertise in exemption determinations for the proposed actions under the Project Agreement Amendment, declare that the actions which are anticipated to be undertaken under this Project Agreement Amendment will have little or no significant effect on the environment and are therefore exempt from the preparation of an environmental assessment.
2. That the Board authorize the Chairperson to approve and execute the Division of Aquatic Resources' Project Agreement Amendment No. 4 to Contract No. 67351 entitled "Hawaii Marine Recreational Fishing Survey," with the Research

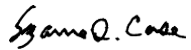
Corporation of the University of Hawaii, subject to approval as to form and content by the Department of the Attorney General.

Respectfully submitted,



BRIAN J. NEILSON
Administrator

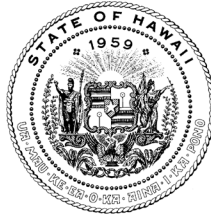
APPROVED FOR SUBMITTAL:



SUZANNE D. CASE
Chairperson

Attachment

DAVID Y. IGE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

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SUZANNE D. CASE
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

ROBERT K. MASUDA
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LAND
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April 9, 2021

TO: Division of Aquatic Resources File

THROUGH: Suzanne D. Case, Chairperson

FROM: Brian J. Neilson, Administrator *BVN*
Division of Aquatic Resources

SUBJECT: Declaration of Exemption from the Preparation of an Environmental Assessment under the Authority of Chapter 343, HRS, and Chapter 11-200, HAR, for a Request to Add Funding and Extend Through September 30, 2022 an Existing Federally-Funded Project Agreement between the Department of Land and Natural Resources (DLNR) and the Research Corporation of the University of Hawaii (RCUH) for the Division of Aquatic Resources (DAR) Research Project Entitled "Hawaii Marine Recreational Fishing Survey."

The following Project Agreement activities are found to be exempted from preparation of an environmental assessment under the authority of Chapter 343, Hawaii Revised Statutes (HRS) and Chapter 11-200, Hawaii Administrative Rules (HAR):

Project Title: Hawaii Marine Recreational Fishing Survey

Project Description: Fisher surveys compile marine recreational fishing catch and effort data relevant to all DAR programs. Unlike mandatory catch reporting by commercial fisheries, marine recreational fishing information has been largely unaccounted, yet believed to have a substantial impact on Hawaii's fishery resources due to its widespread popularity, cultural significance, and importance as a food source for the people of Hawaii.

By conducting routine interviews with both shoreline and private boat fishers statewide, the project provides both State and Federal agencies with baseline data that is vital to responsible management of Hawaii's fishery resources. Catch data (e.g., species, numbers, length, weight and disposition of catch), effort data (e.g., hours fished, areas fished, target species, gear types and methods used) and U.S. Census data, are to be integrated as fisheries statistics to estimate fishing pressure and total landings in Hawaii's

various marine recreational fisheries for eventual public posting on a NOAA Fisheries website.

Under the Magnuson-Stevens Fishery Conservation and Management Act, as amended and reauthorized, all U.S. coastal states are required to provide recreational catch and effort data to NOAA Fisheries.

Key project objectives during the grant period include the following:

- 1) Collect baseline data on marine recreational catch and effort to assist fishery resource management decisions.
- 2) Estimate fishing pressure and total landings of Hawaii's various marine recreational fisheries by integrating catch, effort and U.S. Census data.
- 3) Fulfill the mandatory Federal requirement for all U.S. coastal states to provide recreational catch and effort data to NOAA Fisheries.

Consulted parties: U.S. Fish & Wildlife Service, Sport Fish Restoration Program; NOAA, Marine Recreational Information Program.

Exemption Determination: After reviewing §11-200-8, HAR, and DLNR's departmental exemption list approved on June 5, 2015, including the criteria used to determine significance under §§11-200-12, HAR, DLNR has concluded that the activities under this Project Agreement would have minimal or no significant effect on the environment and that approval of the Project Agreement is categorically exempt from the requirement to prepare an environmental assessment based on the following analysis:

1. All activities associated with this Project Agreement have been evaluated as a single action. Since this Project Agreement involves activities that are precedent to a later planned activity, i.e., the monitoring and collection of data and research, the categorical exemption determination here will treat all planned activities as a single action under § 11-200-8, HAR.
2. The Exemption Class #5 or Scientific Research with no Serious or Major Environmental Disturbance Appears to Apply. § 11-200-8(a)(5), HAR, exempts the class of actions that involve "basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource." This exemption class has been interpreted to include the data collection, research and resource evaluation activities related to the Hawaii Marine Recreational Fishing Survey project, such as those being proposed.

The proposed activities here appear to fall squarely under the exemption class identified under § 11-200-8(a)(5), HAR, and as described under the 2015 DLNR exemption list class #5, items #2 and #15, respectively, which includes "non-destructive data collection and inventory, including field, aerial and satellite surveying and mapping" and "research or experimental management actions that the Department

declares are designed specifically to monitor, conserve, or enhance native species or native species' habitat".¹

As discussed below, no significant disturbance to any environmental resource is anticipated. Thus, so long as the below considerations are met, an exemption class should include the action now contemplated.

3. Cumulative Impacts of Actions in the Same Place and Impacts with Respect to the Potentially Particularly Sensitive Environment Will Not Be Significant. Even where a categorical exemption appears to include a proposed action, the action cannot be declared exempt if "the cumulative impact of planned successive actions in the same place, over time, is significant, or when an action that is normally insignificant in its impact on the environment may be significant in a particularly sensitive environment." §11-200-8(b), HAR. To gauge whether a significant impact or effect is probable, an exempting agency must consider every phase of a proposed action, any expected primary and secondary consequences, the long-term and short-term effects of the action, the overall and cumulative effect of the action, and the sum effects of an action on the quality of the environment. §11-200-12, HAR.

Significant cumulative impacts are not anticipated as a result of this assessment and data gathering activity, and numerous safeguards further ensure that the potentially sensitive environment of the project area will not be significantly affected. All assessment and data integrative activities will be conducted in a manner that does not diminish marine resources, qualities, and ecological integrity, or have any indirect, secondary, cultural, or cumulative effects.

Since no significant cumulative impacts or significant impacts with respect to any particularly sensitive aspect of the project area are anticipated, the categorical exemptions identified above should remain applicable.

4. Overall Impacts will Probably have No Significant Effect on the Environment. Any foreseeable impacts from the proposed activity will be further mitigated by general and specific conditions attached to the Project Agreement. Specifically, all research activities covered by this Project Agreement will be carried out with strict safeguards for the natural, historic, and cultural resources, other applicable law and agency policies and standard operating procedures.

Conclusion. Upon consideration of the Project Agreement Amendment No. 4 of Contract No. 67351 to be approved by the Board of Land and Natural Resources, the potential effects of the above listed project as provided by Chapter 343, HRS and Chapter 11-200 HAR, have

¹ Exemption list for DLNR, approved on June 5, 2015. See Office of Environmental Quality Control (OEQC) website: http://oeqc2.doh.hawaii.gov/Agency_Exemption_Lists/State-Department-of-Land-and-Natural-Resources-Exemption-List-2015-06-05.pdf

DLNR/RCUH Project Agreement Amendment No. 4 – Hawaii Marine Recreational Fishing Survey
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been determined to be of probable minimal or no significant effect on the environment and exempt from the preparation of an environmental assessment.