

California State Parks Division of Boating and Waterways (DBW)
2014-2024 Quagga and Zebra Mussel Infestation Prevention Grant Program (Approximately \$26.5 Million Total Funding Awarded Since Program Inception)
Project Funding Summary

Grant Year: 2024

Project	Reservoir	Project Type*	Application Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Conditions and/or Rationale
Contra Costa Water District Quagga and Zebra Mussel Infestation Prevention	Contra Loma Reservoir	2	This project involves the implementation of the ongoing Infestation Prevention Program at Contra Loma Reservoir and support of expanded inspection hours at the reservoir. Contra Loma is owned by Reclamation and is operated and maintained by Contra Costa Water District (CCWD). Further, Reclamation has a management agreement with the East Bay Regional Park District (EBRPD) for administration and development of recreation at Contra Loma. CCWD and EBRPD work collaboratively to sustain recreation at Contra Loma and to implement the Mussel Prevention Program at the reservoir. CCWD is seeking funding to support the ongoing program and ensure that Contra Loma remains uninfested.	Contra Costa Water District	163,200.00	Fully	163,200.00	
Mill Creek Ponds Mussel Prevention Program	Mill Creek Upper & Lower Ponds	2	The purpose of this project is to continue implementation of the approved Quagga and Zebra Mussel Prevention Plan for Mill Creek Ponds in Mendocino County (2019). The implementation project involves three core elements: early detection mussel monitoring, a user knowledge survey to document knowledge about invasive mussels and how they spread, and public education and outreach for best practices in the prevention of mussel infestation from community members who use the ponds for recreation.	County of Mendocino	52,343.51	Fully	52,343.51	
Lopez Lake QZ Mussel Prevention and Public Outreach Project	Lopez Lake	2	The purpose of this project is to continue implementation of the approved Quagga and Zebra Mussel Prevention Plan for Lopez Lake in San Luis Obispo County by hiring a contracted mussel inspector, a mussel dog and handler, and a part time Ranger Aide, all to inspect and tag/band boats as they come into Lopez Lake. Purchase one temporary shade structure, two iPads for WID, signs, brochures, and a radio advertising package.	County of San Luis Obispo, Department of Parks and Recreation	318,590.00	Fully	318,590.00	
Old Ruth Gate Access Power Restoration and Prevention Supplies	Ruth Lake	2	Funding for this project will be used to restore power to the gate arm at the Old Ruth launch site, install new signage regarding invasive mussel prevention, and construct substrates for early detection mussel monitoring. These objectives will continue prevention efforts at Ruth Lake.	Humboldt Bay Municipal Water District	95,886.78	Partial	56,886.78	Boulders (to restrict unlawful access to Ruth Lake) were also requested, however due to a competitive grant year and limited available funding, they were not funded for this cycle.
Calero Reservoir QZ Mussel Prevention Program	Calero Reservoir	2	The purpose of the project is to operate and conduct improvements to the existing prevention program at Calero Reservoir. The Project includes implementing the Vessel Inspection program requirements during various operating schedules; the collection, transfer, and analysis of data, conducting monitoring activities; preparing required reports; and developing and executing outreach and education plans using social media intercept surveys, mixed media, educational signage and brochures, public quizzing, and outreach events.	Santa Clara County Parks and Recreation Department	400,000.00	Partial	328,000.00	The QZ Grant Program took the utilization of funding from past QZ grants into consideration for funding.

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Lexington Reservoir QZ Mussel Prevention Program	Lexington Reservoir	2	The purpose of the project is to operate and conduct improvements to the existing prevention program at Lexington Reservoir. The Project includes implementing the Vessel Inspection program requirements during various operating schedules; the collection, transfer, and analysis of data; conducting monitoring activities; completing site improvements with signage; preparing required reports; developing and executing outreach and education plans using social media intercept surveys, mixed media, educational signage and brochures, public quizzing, and outreach events; and updating the Bay Area Regional Consortium Prevention Plan.	Santa Clara County Parks and Recreation Department	400,000.00	Partial	338,500.00	Funding for a gate arm was removed due to insufficient CEQA documentation. Funding for administration and implementation of an outreach and education plan was reduced due to limited available funding and because the QZ Grant Program has outreach items available for free use for QZ grantees.
Lake Mendocino Mussel Infestation Prevention Program	Lake Mendocino	2	The Lake Mendocino Mussel Infestation Prevention Program is an implementation project to continue the successful watercraft inspection program at Lake Mendocino and conduct education and outreach activities that increase awareness of dreissenid mussel infestation. The Project will include public education and outreach, a survey, and monitoring. The proposed inspection program, survey, and education and outreach activities listed in the Project Scope of Work will provide an easily transferable model that can be used to protect other reservoirs.	Sonoma County Water Agency	400,000.00	Fully	400,000.00	
Woodward and Modesto Reservoirs	Woodward & Modesto Reservoirs	2	This project includes Quagga/Zebra Mussel Prevention efforts for Woodward and Modesto Reservoir in Stanislaus County. Efforts for both reservoirs will consist of early detection mussel monitoring, materials/supplies, and outreach and education efforts. Staff related costs include Manager/Supervisor for program reporting oversight and materials and supplies at each reservoir, Park Aides/Account Clerk for early monitoring outreach and surveys at entrance station, and Contract for canine inspections during season for outreach and inspections to prevent infestation, and Grant Coordinator for reporting.	Stanislaus County Parks and Recreation Department	64,414.29	Partial	49,214.29	Not only was this a competitive year with limited available funding, but when awarding funding for Tier 2 grants, risk of establishment, including water chemistry, is a factor considered. Inspection services rank as lower priority for QZ Grant funds at reservoirs that rank lower in risk of establishment; however, some funding was still granted since there is a benefit to using canine inspections as an outreach tool.

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Alpine Meadows Watercraft Inspection Station	Lake Tahoe	2	The project is funding staff that manage and operate the Alpine Meadows Watercraft Inspection Station in order to protect Lake Tahoe from the introduction of invasive dreissenid mussel species. The Tahoe Regional Planning Agency (TRPA) partners with the Tahoe Resource Conservation District to operate the watercraft inspection stations. This includes program management, oversight, servicing of the station with supplies and equipment, maintenance of the equipment and outreach. TRPA conducts oversight of the Project and contracts with ramps and marinas to ensure only previously inspected boats are launching in Lake Tahoe. TRPA is the overarching agency that provides the regulatory framework for the entire Program to exist.	Tahoe Regional Planning Agency	399,874.41	Partial	250,000.00	Not only was this a competitive year with limited available funding, but when awarding funding for Tier 2 grants, risk of establishment, including water chemistry, is a factor considered. Inspection services rank as a lower priority for QZ Grant funds at reservoirs that rank lower in risk of establishment; however, some funding was still granted since there is a higher risk of introduction at this highly visited location which is also located near infested waterbodies (in Nevada).
Indian Valley Dam and Reservoir Dreissenid Mussel Prevention	Indian Valley Reservoir	1	The purpose of this project is to develop a Quagga and Zebra Mussel (QZM) Prevention Plan for the Indian Valley Reservoir, which is owned and operated by Yolo County Flood Control & Water Conservation District (District). The project includes the development of a QZM prevention plan that meets all requirements of the California Fish and Game Code §2302, including a vulnerability assessment of the introduction of dreissenid mussels into the reservoir, and the planning and development of a program to prevent their introduction. The program will also contain early mussel detection monitoring, public education, recreational management, and annual reporting elements.	Yolo County Flood Control and Water Conservation District	34,957.34	Fully	34,957.34	
TOTAL					\$2,329,266.33		\$1,991,691.92	

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Big Bear Municipal Water District (BBMWD) Quagga and Zebra Mussel Infestation Prevention 2023	Big Bear Lake	Tier 2: Implementation	The Big Bear Municipal Water District (BBMWD) is looking to maintain and expand its quagga prevention program on Big Bear Lake. Funding is requested to continue to staff the public launch ramp with Watercraft Inspection Training (WIT II) trained inspectors to perform vessel inspections and decontaminations in order to continue to keep Big Bear Lake mussel free. BBMWD would also like to request funding continue to perform quagga & zebra mussel plankton tows, in accordance with CDFW guidelines, to be sent for analysis. Finally, BBMWD would like to request funding to construct new artificial substrates in order to expand the quagga and zebra mussel monitoring program by adding artificial substrates to four water quality monitoring stations along the center of the Lake.	Big Bear Municipal Water District	381,660.00	Partial	265,980.00	Funding for task 1 personnel was reduced. This included: Inspection Staff II (\$56,205.00) and Inspection Staff III (\$59,475.00) due to limited available funding.
Del Valle - Quagga and Zebra Mussel Infestation Prevention	Lake Del Valle	Tier 2: Implementation	This project supports implementation of the East Bay Regional Park District's (EBRPD) Prevention Plan at Lake Del Valle, which is the District's most popular boating site. The EBRPD and Contra Costa Water District work collaboratively to sustain recreation and implement EBRPD's ongoing Quagga and Zebra Mussel Prevention Program.	East Bay Regional Park District	398,130.00	Partial	218,130.00	Funding for Contra Loma reservoir (\$180,000) was removed due to limited available funding.
Quarry Lakes and Shadow Cliffs – Quagga and Zebra Mussel Infestation Prevention	Quarry Lakes & Shadow Cliffs	Tier 2: Implementation	The purpose of this project is to implement the existing Quagga and Zebra Mussel Prevention Program at Quarry Lakes, and at Shadow Cliffs Lake where a prevention program was only recently started in 2016. Inspections at Quarry Lakes will be done by District personnel. Whereas a qualified inspection contractor will implement the program at Shadow Cliffs	East Bay Regional Park District	379,890.00	Fully	379,890.00	
Old Ruth Gate Access Power Restoration and Prevention Supplies	Ruth Lake	Tier 2: Implementation	A wildfire burned out the power source at the Old Ruth boat launch site and the gate arm is no longer functional. As a result, the site is no longer accessible to the public and is currently padlocked. Funding will be used to restore power and make the launch site accessible to the public again. Funding will also be used to purchase additional boulders to prevent unauthorized reservoir access, install additional /replace old signage regarding quagga prevention, and construct substrates to assist in the early detection monitoring of quagga and zebra mussels	Humboldt Bay Municipal Water District	86,078.33	Denied	-	Applicant did not submit a complete application.

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Clear Lake Mussel Prevention 23/24	Clear Lake	Tier 2: Implementation	The project will continue to improve and maintain the currently successful Clear Lake Invasive Mussel Prevention Program. This project will support program staff to complete project coordination and administration, support boat inspections at public high-use ramps, including the use of mussel-detection canines, conduct required early detection monitoring, conduct in-person outreach activities, distribute education via multiple formats such as radio/digital, video PSAs, and hard copy materials, and continue adding data to the Western Boat Database (Watercraft Inspection and Decontamination Database).	Lake County Watershed Protection District	399,880.00	Partial	330,755.00	Funding for task 3 was reduced to Inspection staff/ramp monitors (\$162,825.00) and Lead Ramp Monitors (\$44,550.00) due to limited available funding.
Marin Water Quagga and Zebra Mussel Vulnerability and Prevention Planning	Kent Reservoir, Nicasio Reservoir, Alpine Reservoir, Bon Tempe Reservoir, Phoenix Lake, Lagunitas Lake	Tier 1: Planning & Assessment	Marin Municipal Water District is proposing to complete a new Prevention Plan for the seven reservoirs it owns and operates upon the award of a DBW Grant. The overall goal of the project is to successfully design a Prevention Plan that will: 1) when implemented successfully prevent the introduction/infestation of reservoirs in the Mt. Tamalpais and west Marin watersheds by dreissenid mussels, 2) meet all requirements of California Fish and Game Code §2302 and 3) be accepted by the California Department of Fish and Wildlife (CDFW). The project would also include surface survey, veliger tow monitoring, and water quality samples.	Marin Municipal Water District	94,800.00	Partial	86,800.00	Funding for Soulajule Reservoir was removed due to incomplete Early-Detection Mussel Monitoring (EDMM) with application submission. Partial funding was removed from task 2 (\$6,500.00) and task 3 (\$1,500.00) due to limited available funding.
Tier 2 Implementation Project - Scotts Flat and Rollins Reservoirs QZ Monitoring	Rollins Reservoir, Scotts Flat Reservoir	Tier 2: Implementation	The Project includes the implementation of the early-detection mussel monitoring procedure for Scotts Flat and Rollins reservoirs, as well as the purchase of a mobile decontamination unit for cleaning Nevada Irrigation District (NID) owned vehicles and equipment. The purpose of this project is to implement the improvements in the early-detection monitoring protocol developed in the 2023 updates made to NID's Quagga/Zebra Mussel Vulnerability Assessment, Prevention, and Monitoring Plan (QZ Plan). The plan updates were made in consultation with the California Department of Fish and Wildlife (CDFW) and received final approval for the updates from the CDFW in May 2023.	Nevada Irrigation District	49,541.96	Partial	27,541.96	Task 2 funding for the procurement of a mobile decontamination unit (\$22,000.00) was removed due to limited available funding.
Tier 2 Implementation Project - Deer Creek QZ Monitoring	Deer Creek Diversion (also known as Lower Scott's Flat Lake)	Tier 2: Implementation	The Project includes the implementation of the early-detection mussel monitoring procedure for Deer Creek Diversion reservoir, as well as the purchase of a sonde meter for water quality spot sampling as a component of the early-detection mussel monitoring. The purpose of this project is to implement the improvements in the early-detection monitoring protocol developed in the 2023 updates made to NID's Quagga/Zebra Mussel Vulnerability Assessment, Prevention, and Monitoring Plan (QZ Plan). The updated protocol increases the required frequency of monitoring at NID Managed Deer Creek reservoir.	Nevada Irrigation District	32,905.56	Partial	10,605.05	This application included Combie Reservoir which did not meet the eligibility requirements for this grant, therefore it was removed along with any funding requested for it. Task 1 (Applicant – Personnel) funding was reduced from \$10,621.02 to \$5,310.51 because it related to Combie Reservoir. Task 1 (Applicant Expenses – Materials/Supplies) was reduced from \$1,980.00 to \$990.00 because it related to Combie Reservoir. Task 2 request for a sonde meter was reduced to \$2,000.00 from \$18,000.00 due to limited available funding.

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Cachuma Lake Recreation Area Refined Mussel Prevention Plan	Cachuma Lake Reservoir	Tier 2: Implementation	The County of Santa Barbara, Community Services Department, Parks Division seeks funding for the Cachuma Lake Recreation Area to update and refine the current Quagga-Zebra Mussel Prevention Plan in an effort to keep the Cachuma Lake Reservoir un-infested. In addition to current prevention protocols, we wish to purchase new equipment, mussel monitoring and outreach materials, and hire additional staff. With these components funded, we would be able to incorporate comprehensive decontamination procedures, replace and add new mussel monitoring stations, and provide exceptional educational outreach to visitors and community members	County of Santa Barbara, Community Services Department, Parks Division	264,457.30	Partial	262,957.30	Task 4 Materials and Supplies (\$1,500.00) was removed due to limited available funding.
Coyote Reservoir QZ Prevention Program	Coyote Reservoir	Tier 2: Implementation	The purpose of the project is to operate and conduct improvements to the existing prevention program at Coyote Reservoir. The Project includes implementing the Vessel Inspection program requirements during various operating schedules; the collection, transfer, and analysis of data using the WID Data Sharing System; conducting monitoring activities; preparing required reports; Implementing a waterless vessel cleaning system; and developing and executing outreach and education plans using social media intercept surveys, mixed media, educational signage and brochures, public quizzing, and outreach events.	Santa Clara County Parks and Recreation Department	400,000.00	Partial	322,437.72	Task 3.1 for a CD3 System (\$25,962.28), task 3.2 for the purchase of inspection station shipping containers (\$25,000.00), and task 3.4 for parking lot restriping for a staging area (\$25,600.00) were removed due to limited available funding. Task 3.5 Water & Wags Signage (\$1,000.00) was removed.
Stevens Creek Reservoir QZ Prevention Program	Stevens Creek	Tier 2: Implementation	The purpose of the project is to operate and conduct improvements to the existing prevention program at Steven's Creek Reservoir. The Project includes implementing the Vessel Inspection program requirements during various operating schedules; the collection, transfer, and analysis of data using the WID Data Sharing System; conducting monitoring activities; preparing required reports; and developing and executing outreach and education plans using social media intercept surveys, mixed media, educational signage and brochures, public quizzing, and outreach events. The project will also install power at the location to support communication, Wi-Fi, and use of the WID.	Santa Clara County Parks and Recreation Department	362,595.20	Partial	310,995.20	Task 3.2 for the purchase of inspection station shipping containers (\$25,000.00) and task 3.4 for parking lot restriping for a staging area (\$25,600.00) were removed due to limited available funding. Task 3.5 Water & Wags signage (\$1,000.00) was removed.
2023 Lake Berryessa Mussel Prevention Program Tier 2 Implementation	Lake Berryessa	Tier 2: Implementation	The Lake Berryessa Mussel Prevention Program is a multi-faceted, multi-stakeholder Program with the key objective of protecting Lake Berryessa from the spread of invasive species specifically quagga/zebra mussels, water quality, and educating boaters. The purpose of this grant application (i.e., Project) is to improve and build upon the existing Lake Berryessa Mussel Prevention Program. The Project would implement specific tasks that would improve existing outreach and education efforts, reduce known vulnerabilities or limitations of the Program, and further expand the existing outreach efforts.	Solano County Water Agency	400,000.00	Partial	366,500.00	Task 1.3 for Materials/supplies (\$33,500.00) was removed due to limited available funding.

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Lake Sonoma Mussel Infestation Prevention Program	Lake Sonoma	Tier 2: Implementation	This project will continue to offer expanded inspections for watercraft inspections at Lake Sonoma during peak season. At present, inspections take place at two locations; the Lake Sonoma Visitor Center, which is the entry point for the majority of the Lake Sonoma recreational area, and the public boat ramp, to safeguard against boaters who bypass the original inspection point at the Visitor Center. During inspections, a survey may be distributed and further education and outreach for the project will take place at local events.	Sonoma County Water Agency	400,000.00	Partial	399,994.00	
Stanislaus County Woodward and Modesto Reservoirs	Woodward Reservoir, Modesto Reservoir	Tier 2: Implementation	This project includes Quagga & Zebra Mussel Prevention efforts for Woodward and Modesto Reservoir in Stanislaus County. Efforts for both reservoirs will consist of early detection monitoring, materials/supplies, and outreach and education efforts. Staff related costs include Manager/Supervisor for program reporting oversight and materials and supplies at each reservoir, Park Aides/Account Clerk for early monitoring outreach and surveys at entrance station, and Contract for canine inspections during season for outreach and inspections to prevent infestation, and Grant Coordinator for reporting.	Stanislaus County Parks and Recreation Department	64,412.22	Denied	-	This application was denied due to limited available funding.
Funding Alpine Meadows Watercraft Inspection Station_2	Lake Tahoe	Tier 2: Implementation	The project is funding staff that manage and operate the Alpine Meadows Watercraft Inspection Station in order to protect Lake Tahoe from the introduction of invasive dreissenid mussel species. The Tahoe Resource Planning Agency (TRPA) partners with the Tahoe Resource Conservation District (RCD) to operate the watercraft inspection stations. This includes program management, oversight, servicing of the station with supplies and equipment, maintenance of the equipment and outreach. TRPA conducts oversight of the Project and contracts with ramps and marinas to ensure only previously inspected boats are launching in Lake Tahoe. TRPA is the overarching agency that provides the regulatory framework for the entire Program to exist.	Tahoe Regional Planning Agency	399,163.30	Denied	-	This application was denied due to limited available funding.
Yuba County Water Agency (YCWA) Dreissenid Implementation Program - Lake Francis and NBB	Lake Francis, New Bullards Bar Reservoir	Tier 2: Implementation	The Project is located in northern California in Yuba County in the western foothills of the Sierra Nevada. The existing Project ranges in elevation from approximately 2,000 feet at New Bullards Bar Reservoir to approximately 1,680 feet at Lake Francis. The development includes two storage reservoirs (New Bullards Bar and Lake Francis) that will be part of this application. Project facilities are located on the main stem of the Yuba River, Middle Yuba River and North Yuba River, and Oregon Creek.	Yuba County Water Agency	72,765.35	Denied	-	This application was denied due to limited available funding.

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YCWA Dreissenid Implementation Program - Log Cabin and Our House	Log Cabin Diversion Dam Impoundment, Our House Diversion Dam Impoundment	Tier 2: Implementation	The Project is located in northern California in Nevada and Sierra counties in the western foothills of the Sierra Nevada. The existing Project ranges in elevation from 2,030 feet at Our House Diversion Dam impoundment to approximately 1,938 at Log Cabin Diversion Dam impoundment. The development includes two diversion dams (Our House and Log Cabin) that will be part of this application. Project facilities are located on the main stem of the Yuba River, Middle Yuba River and North Yuba River, and Oregon Creek.	Yuba County Water Agency	29,701.60	Denied	-	This application was denied due to limited available funding.
TOTAL					\$4,215,974.82		\$2,982,586.23	

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BBMWD Quagga and Zebra Mussel Infestation Prevention FY 22/23	Big Bear Lake	Tier 2: Implementation	The Big Bear Municipal Water District (BBMWD) is looking to improve and enhance our current quagga and zebra mussel prevention efforts by continuing to provide personnel at the public launch ramps and continuing to monitor Big Bear Lake for signs of Quagga/Zebra Mussel infestation. While an extensive program is currently in place, there are many opportunities to continue to keep Big Bear Lake mussel free.	Big Bear Municipal Water District	399,702.00	Fully	399,702.00	
Quagga and Zebra Mussel Prevention Plan for Mill Creek Ponds in Mendocino County	Upper and Lower Mill Creek Ponds	Tier 2: Implementation	The purpose of this project is to implement the approved Quagga and Zebra Mussel Prevention Plan for Mill Creek Ponds in Mendocino County (2019). The implementation project involves three core elements: early detection monitoring of possible Quagga and Zebra Mussels, a user knowledge survey to document knowledge about invasive mussels and how they spread, and public education and outreach for best practices in the prevention of mussel infestation to community members who use the ponds for recreation.	County of Mendocino	54,373.96	Fully	54,373.96	
Ruth Recreation Launch Gate Relocation	Ruth Lake	Tier 2: Implementation	The current location of the Ruth Recreation boat launch floods during high water flow events in the winter. This causes damage to the electronics that need to be repaired continuously. Due to the remote location, it can take up to a month to get a certified electrician out to provide an assessment and estimate and additional months to acquire replacement parts and make repairs. Our Prevention Plan is impacted if the gate access at the launch site is not functioning properly and could potentially allow unauthorized access. Due to these delays other launch sites become backed up and some boaters have tried to avoid long lines by seeking unauthorized access points and avoiding inspection/education in the process.	Humboldt Bay Municipal Water District	72,806.61	Partial	65,306.61	CEQA Document Fees (Task 1, \$7,500.00) not funded.
Clear Lake Mussel Infestation Prevention Implementation Program FY 22/23	Clear Lake	Tier 2: Implementation	The project goal will be to continue to maintain and improve the Clear Lake Invasive Mussel Prevention Program by funding 2 monitor leads and 10 ramp monitors, in addition to coordinating, accountant, and technical staff to conduct monitoring and trainings. The project will increase invasive mussel inspection capacity through incorporation of mussel detection canines and enhanced digital database integration. Outreach and education will be used to advertise the prevention program to boaters through physical and digital educational materials like brochures, social media ads, online distribution of an educational video, and both radio/digital PSAs.	Lake County Watershed Protection District	399,780.00	Fully	399,780.00	

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Calero Reservoir QZ Mussel Prevention Program	Calero Reservoir	Tier 2: Implementation	The purpose of the project is to operate and conduct improvements to the existing prevention program at Calero Reservoir. The Project includes implementing the Vessel Inspection program requirements during various operating schedules; the collection, transfer, and analysis of data using the Watercraft Inspection and Decontamination (WID) Database; conducting monitoring activities; preparing required reports; and developing and executing outreach and education plans using social media intercept surveys, mixed media, educational signage and brochures, public quizzing, and outreach events.	Santa Clara County Parks and Recreation Department	400,000.00	Fully	400,000.00	
Lexington Reservoir QZ Mussel Prevention Program	Lexington Reservoir	Tier 2: Implementation	The purpose of the project is to operate and conduct improvements to the existing prevention program at Lexington Reservoir. The Project includes implementing the Vessel Inspection program requirements during various operating schedules; the collection, transfer, and analysis of data using the Watercraft Inspection and Decontamination (WID) Database; conducting monitoring activities; preparing required reports; and developing and executing outreach and education plans using social media intercept surveys, mixed media, educational signage and brochures, public quizzing, and outreach events.	Santa Clara County Parks and Recreation Department	382,178.00	Fully	382,178.00	
Calero and Lexington Reservoir QZ Mussel Prevention Program Site Improvements	Calero and Lexington Reservoirs	Tier 2: Implementation	The Project is to implement site improvements at Calero and Lexington Reservoirs to enhance and provide more tools and information to boaters to improve the customer experience and continue to reduce the risk of Quagga/Zebra Mussel infestation. The Project will reduce ongoing costs by purchasing leased structures, replacing and updating signage, performing required customizations to the WID tracking database, installing a Clean, Drain, Dry, Dispose (CD3) station at Calero and repairing, repaving, and restriping the parking lot and boat launch at Lexington. The project also includes early detection monitoring, Quagga/Zebra mussel survey plan and summary, and three public outreach events.	Santa Clara County Parks and Recreation Department	275,130.00	Partial	85,450.00	Subtasks 1.2 and 1.3 for the Purchase, installation, and design of a CD3 System and its' signage were not funded (\$40,000.00 not funded). Subtask 2.2 and 2.3 for the repairing of the parking lot and boat ramp as well as for the design/installation of signage at the parking lot were not funded (\$149,680.00 not funded).
Lake Berryessa Mussel Prevention Program	Lake Berryessa	Tier 2: Implementation	This Program is implemented at Lake Berryessa in Napa, CA. 500k residents and the surrounding agricultural area rely on this lake as their water source. This is a prevention program that employs 14 interns and a dedicated full-time staff. It includes a seal/receipt component to reduce re-inspection time. A decontamination service is also in operation. Staff educate boaters and inspect their boats May-Sep. Oct-April, inspections are conducted as resources permit. Solano County Water Agency (SCWA) will have an increased presence to inspect and educate anglers and others during the 'offseason', better preventing an introduction. This grant with the proposed match will help increase inspections, seals applied, and decontaminations.	Solano County Water Agency	374,800.00	Fully	374,800.00	

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Lake Mendocino Mussel Infestation Prevention Program	Lake Mendocino	Tier 2: Implementation	The Lake Mendocino Mussel Infestation Prevention Program is an implementation project to continue the successful watercraft inspection program at Lake Mendocino and conduct both education/outreach activities that increase awareness of dreissenid mussel infestation. The project will include both public education/outreach, a survey, monitoring, and management of boating recreation activities that are permitted on the Lake. The proposed inspection program, survey, education activities, and outreach activities listed in the Project Scope of Work will provide an easily transferable model that can be used to protect other reservoirs.	Sonoma County Water Agency	400,000.00	Fully	400,000.00	
Funding Meyers Watercraft Inspection Station	Lake Tahoe	Tier 2: Implementation	The project is funding staff that manage and operate the Meyers Watercraft Inspection Station in order to protect Lake Tahoe from the introduction of invasive dreissenid mussel species. As mentioned previously, the Tahoe Regional Planning Agency (TRPA) partners with the Tahoe Resource Conservation District to operate the watercraft inspection stations. This includes program management, oversight, servicing of the station with supplies and equipment, maintenance of the equipment and outreach. TRPA conducts oversight of the Project and contracts with ramps and marinas to ensure only previously inspected boats are launching in Lake Tahoe. TRPA is the overarching agency that provides the regulatory framework for the entire Program to exist.	Tahoe Regional Planning Agency	399,739.01	Fully	399,739.01	
TOTAL					\$3,158,509.58		\$2,961,329.58	

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Project Funding Summary

Grant Year 2021:

Project	Reservoir	Project Type*	Application Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Conditions and/or Rationale
Big Bear Municipal Water District (BBMWD) Quagga and Zebra Mussel Infestation Prevention Program FY 20/21	Big Bear Lake	Tier 2: Implementation	The BBMWD is looking to improve and enhance our current quagga and zebra mussel prevention efforts by continuing to provide personnel at the public launch ramps, with robust monitoring practices, purchasing and installing CD3 Waterless Cleaning Systems, and implementing the Regional Watercraft Inspection & Decontamination Data Collection System at the private marinas.	Big Bear Municipal Water District	399,993.96	Partial	307,548.96	Task 3, for \$92,445.00, for CD3 Systems, was not funded.
Lake Casitas Recreation Area Invasive Species Prevention Program	Lake Casitas	Tier 2: Implementation	Casitas Municipal Water District is requesting funds to continue our quagga and zebra mussel prevention program. The program's sole purpose is to prevent the introduction of Quagga or Zebra Mussels into Lake Casitas. Program elements include clean and dry inspections followed by a quarantine period for all boats launching on Lake Casitas, a cable and tag system to ensure program integrity, and staffing. The staff not only perform the inspections, but are present during all operating hours to inspect the cable/tag upon re-entry, and re-tag boats upon exiting the Lake.	Casitas Municipal Water District - Lake Casitas Recreation Area	394,820.20	Denied	-	Applicant did not submit a complete application.
Cachuma Lake Recreation Area Refined Mussel Prevention Plan	Cachuma Lake	Tier 2: Implementation	The County of Santa Barbara, Community Services Department, Parks Division seeks funding for the Cachuma Lake Recreation Area to update and refine the current Quagga-Zebra Mussel Prevention Plan in an effort to keep the Cachuma Lake Reservoir un-infested. In addition to current prevention protocols, we wish to purchase new equipment, mussel monitoring and outreach materials, and hire additional staff. With these components funded, we would be able to incorporate comprehensive decontamination procedures, replace and add new mussel monitoring stations, and provide exceptional educational outreach to visitors and community members.	County of Santa Barbara, Community Services Department, Parks Division	351,488.96	Partial	339,488.96	Task 1.3, for \$12,000, for purchase of golf cart was not funded.
Shadow Cliffs and Del Valle – Quagga and Zebra Mussel Infestation Prevention	Shadow Cliffs Reservoir and Lake Del Valle	Tier 2: Implementation	This project supports implementation of the District's Prevention Plan at Lake Del Valle, which is the District's most popular boating site, and also at Shadow Cliffs Lake where a prevention program was only recently started in 2016. With this project, the District expects to inspect and educate over 11,500 vessels annually, or 23,000 over the two-year project.	East Bay Regional Park District	400,000.00	Fully	400,000.00	
Quarry Lakes and Contra Loma – Quagga and Zebra Mussel Infestation Prevention	Quarry Lakes Regional Recreation Area and Contra Loma Reservoir	Tier 2: Implementation	This project supports implementing the ongoing Quagga and Zebra Mussel Infestation Prevention Program at Contra Loma Reservoir, with extended hours, and the inspection program at Quarry Lakes Regional Recreation Area. The East Bay Regional Park District (EBRPD) and Contra Costa Water District jointly manage Contra Loma Reservoir. Whereas Alameda County Water District (ACWD) and EBRPD jointly manage Quarry Lakes Regional Recreation Area. Respectively, these agencies work collaboratively to sustain recreation at Contra Loma Quarry Lakes and implement EBRPD's ongoing Quagga and Zebra Mussel Prevention Program.	East Bay Regional Park District	363,274.40	Fully	363,274.40	

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Project Funding Summary

Project	Reservoir	Project Type*	Application Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Conditions and/or Rationale
Boulders, Bollards and Supplies to Strengthen & Implement the Prevention Plan	Ruth Lake	Tier 2: Implementation	Purchase stickers, bands and key cards for the inspection process; and install additional boulders and bollards since the August Complex Fire caused a massive loss of trees, many of which provided a natural barrier to prevent unauthorized lake access.	Humboldt Bay Municipal Water District	82,915.00	Fully	82,915.00	
Clear Lake Invasive Mussel Prevention Implementation	Clear Lake	Tier 2: Implementation	The project will be to continue to maintain and improve the Clear Lake Invasive Mussel Prevention Program by funding ramp monitors and inspection staff for one year, and supplementing program and technical staff for the two years of the proposed project period. The project will also support improved inspection resources such as contracting with a mussel-sniffing dog company for use during peak boating times and improving technologies and customization of a digital boating screening system. Outreach and education will be used to advertise the prevention program to boaters through enhanced educational materials like brochures, social media ads, an educational video, and radio and digital Public Service Announcements.	Lake County Watershed Protection District	399,861.25	Fully	399,861.25	
Vessel Inspection Program for Lexington and Stevens Creek Reservoirs	Lexington Reservoir and Stevens Creek Reservoir	Tier 2: Implementation	The Project includes implementation and maintenance of the Vessel Inspection Program. Detection/Monitoring – done by Santa Clara Valley Water District and consists of surface surveys, and analysis of artificial substrate samples and Plankton tows. Public Education – development of community outreach and education plans using social media, intercept surveys, and planning and securing mixed media advertising. Management of Recreational Activities includes Quagga Inspection Database (QID) database management, signage, vessel banding, inspection site improvements, conducting monitoring activities and preparing reports. Assessment/Evaluation - a formal Request for Proposals (RFP) process will be used to update the Vessel Inspection Program.	Santa Clara County Parks and Recreation Department	400,000.00	Denied	-	Applicant did not submit a complete application.
Lake Sonoma Mussel Infestation Prevention Program	Lake Sonoma	Tier 2: Implementation	This project will expand the locations for watercraft inspections at Lake Sonoma during peak season. At present, inspections take place at the Lake Sonoma Visitor Center, which is the entry point for the majority of the Lake Sonoma recreational area. This project seeks to add an additional point of inspection to safeguard against boaters who bypass the original inspection point at the Visitor Center. To further ensure inspection of all watercraft entering the lake takes place, a secondary inspection will be performed at the boat ramp parking lot entrance. During inspections, a survey may be distributed and further education and outreach for the project will take place at local events.	Sonoma County Water Agency	400,000.00	Fully	400,000.00	

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Project Funding Summary

Project	Reservoir	Project Type*	Application Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Conditions and/or Rationale
Stanislaus County Woodward and Modesto Reservoirs	Woodward Reservoir and Modesto Reservoir	Tier 2: Implementation	This project includes quagga and zebra mussel prevention efforts for Woodward and Modesto Reservoir in Stanislaus County. Efforts for both reservoirs will consist of early detection monitoring, materials/supplies, and outreach and education efforts. Staff related costs include Manager/Supervisor for program reporting oversight and materials and supplies at each reservoir, Park Aides/Account Clerk for early monitoring outreach and surveys at entrance station, and contract for canine inspections during season for outreach and inspections to prevent infestation, and Grant Coordinator for reporting.	Stanislaus County Parks and Recreation Department	41,986.20	Fully	41,986.20	
Funding Alpine Meadows Watercraft Inspection Station	Lake Tahoe	Tier 2: Implementation	The project is funding staff that manage and operate the Alpine Meadows Watercraft Inspection Station in order to protect Lake Tahoe from the introduction of invasive dreissenid mussel species. As mentioned previously, the TRPA partners with the Tahoe esource Conservation District (RCD) to operate the watercraft inspection stations. This includes program management, oversight, servicing of the station with supplies and equipment, maintenance of the equipment and outreach. TRPA conducts oversight of the Project and contracts with ramps and marinas to ensure only previously inspected boats are launching in Lake Tahoe. TRPA is the overarching agency that provides the regulatory framework for the entire Program to exist.	Tahoe Regional Planning Agency	398,433.98	Fully	398,433.98	
Yuba County Water Agency (YCWA) Dreissenid Mussel Prevention Program	Lake Francis, Log Cabin Diversion Dam Impoundment, New Bullards Bar, Our House Diversion Dam Impoundment	Tier 1: Planning & Assessment	The Yuba County Water Agency (YCWA) is proposing to complete a new dreissenid mussel prevention program (Program) upon the award of a California State Parks Division of Boating and Waterways (DBW) tier 1 grant. The overall goal of the project is to successfully design a Program that will when implemented: 1) successfully prevent the introduction/infestation of dreissenid mussels into Lake Francis, Log Cabin Diversion Dam Impoundment, New Bullards Bar Reservoir, and Our House Diversion Dam Impoundment, 2) meet all requirements of California Fish and Game Code §2302, and 3) be approved by the California Department of Fish and Wildlife (CDFW) no later than September 2023. The objective of the project is to utilize the funds provided by the DBW grant to gather and assemble all relevant information to develop a complete Program that the CDFW approves no later than September 2023.	Yuba County Water Agency	165,143.15	Fully	165,143.15	
TOTAL					\$3,797,917.10		\$2,898,651.90	

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Project Funding Summary

Grant Year 2019/2020:

Project	Reservoir	Project Type*	Application Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Big Bear Municipal Water District Quagga and Zebra Mussel Prevention Program FY 19/20	Big Bear Lake	Tier 2: Implementation	Big Bear Municipal Water District hopes to improve current quagga/zebra mussel prevention efforts by continuing to provide personnel at the public launch ramps, continuing robust monitoring practices, enhancing inspection/decontamination procedures, and building a more secure and safer decontamination station to deal with fully infested vessels.	Big Bear Municipal Water District	400,000.00	Partially	250,000.00	\$150,000 (Task 5) for a boat lift was not funded due to difference from current decontamination standards.
Lake Casitas Quagga and Zebra Mussel Prevention Public Outreach and Education	Lake Casitas	Tier 2: Implementation	Casitas Municipal Water District is requesting funding to continue and expand a robust quagga and zebra mussel prevention public outreach and education program to inform and educate the public on the impacts of a quagga infestation with the goal to ultimately prevent infestation of quagga and zebra mussels in Lake Casitas. This Project's success elements will protect uninfested waters in California, by assisting the boating community, and the community at large, gain an understanding of the consequences of transporting invasive species and the introduction of them into a body of water, thus protecting waters in the State of California.	Casitas Municipal Water District - Lake Casitas Recreation Area	144,913.41	Fully	144,913.41	
Vessel Inspection, Certification, and Education Program Phase II	Puddingstone Reservoir	Tier 2: Implementation	County of Los Angeles Department of Parks and Recreation proposes the Vessel Inspection, Certification, and Education Program Phase II (Project), which will build from the work completed through the previously-funded Vessel Inspection, Certification, and Education Program Phase I at Puddingstone Reservoir. The Project will include public education and outreach, including survey and three education/outreach events; early-detection mussel monitoring; and inspection and certification of recreational watercraft prior to launch. It will also follow recommendations in the completed <i>Dreissenid</i> Mussel Vulnerability Assessment and Prevention Program, including an assessment and evaluation of the existing program and updates, as necessary.	County of Los Angeles Department of Parks and Recreation	399,992.75	Fully	399,992.75	
Mussel Prevention Implementation Plan for Mill Creek Ponds	Upper and Lower Mill Creek Ponds	Tier 2: Implementation	The Quagga & Zebra Mussel Prevention Plan for Mill Creek Ponds in Mendocino County was approved by CA Department of Fish and Wildlife (CDFW) in December 2019. The Upper and Lower Ponds are the only water bodies included in the plan. The plan is not part of a Regional-Scale Prevention Plan to date. The County of Mendocino's Plan includes adopting CDFW's AIS Prevention Protocol, Early Detection Monitoring, Outreach and Education, and Long-term Monitoring for the two reservoirs. No vessel inspections are included in the Plan at this time, therefore the use of State Standards for those protocols will not be incorporated. The County of Mendocino is dedicated to continuing the Plan and preventing the spread of QZ Mussels.	County of Mendocino	54,696.40	Fully	54,696.40	

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Project Funding Summary

Project	Reservoir	Project Type*	Application Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Boulders and Supplies to Strengthen and Implement the Prevention Plan	Ruth Lake	Tier 2: Implementation	Based on physical inspection of the lake, staff has identified areas with uncontrolled access where vehicles/watercraft can access the lake. By doing so, people bypass the quagga/zebra inspection process. The inspection process is crucial to keeping the lake and source of drinking water mussel free. Bypassing this process equates to increased risk of contamination. The grant will assist with purchase of 2-ton boulders at several locations to deter access. The current boulders are smaller and deteriorating and moved by vehicles, allowing the unauthorized access. The grant will also cover the costs of basic supplies to implement the Prevention Plan.	Humboldt Bay Municipal Water District	24,000.00	Fully	24,000.00	
Clear Lake Mussel Infestation Prevention Implementation Program 2019/2020	Clear Lake	Tier 2: Implementation	The project will continue to improve the Clear Lake Invasive Mussel Prevention Program by funding ramp monitors and program staff for one year during 2022 and supplemental inspection support using Mussel Dogs. Secondly, the project will provide improved education through digital, radio, and video formats. Thirdly, the project will continue the transition into digital tracking, where all screeners and ramp monitors will have handheld digital devices that are connected to the western state boater database. Lastly, the project will continue staff education through the Pacific States Marine Fisheries Commission Watercraft Inspection/Decontamination Training (WIT I & WIT II) programs.	Lake County Watershed Protection District	399,590.00	Partially	396,590.00	Reduced amount for Task 5, Watercraft Inspection Training, from \$4,000 to \$1,000.
Nacimiento Reservoir Quagga and Zebra Mussel Prevention Plan	Nacimiento Reservoir	Tier 1: Planning & Assessment	Monterey County Water Resources Agency is developing this plan to prevent the introduction of <i>dreissenid</i> mussels into Lake Nacimiento, to provide a place to address other invasive species as necessary, and to provide a response plan that addresses the steps to be taken to protect the infrastructure in the event that <i>dreissenid</i> mussels become established. This plan is intended to be reviewed and revised on a periodic basis.	Monterey County Water Resources Agency	199,391.50	Partially. Funding declined by applicant	0	Since there was a recent Prevention Plan accepted by the California Department of Fish and Wildlife for Lake Nacimiento Reservoir, only two of the five tasks were fundable. Partial funding of \$37,518.50 was awarded however applicant declined award.
Camp Far West Reservoir <i>Dreissenid</i> Mussel Prevention Plan	Camp Far West Reservoir	Tier 1: Planning & Assessment	South Sutter Water District is proposing to complete a new Prevention Plan upon the award of a DBW Grant. The overall goal of the project is to successfully design a Prevention Plan that will: 1) when implemented successfully prevent the introduction/infestation of Camp Far West reservoir by <i>dreissenid</i> mussels, 2) meet all requirements of California Fish and Game Code §2302 and 3) be accepted by the California Department of Fish and Wildlife (CDFW). The project would also include surface survey, veliger tow monitoring, and water quality samples.	South Sutter Water District	53,830.34	Partially	34,823.10	Reductions were: removed plankton tows (because of reservoirs' low calcium), signage (funding signage is not required for Tier 1 projects), and some staffing.

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Project Funding Summary

Project	Reservoir	Project Type*	Application Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Funding Meyers Watercraft Inspection Station Operations	Lake Tahoe	Tier 2: Implementation	The project is funding staff that manage and operate the Meyers Watercraft Inspection Station in order to protect Lake Tahoe from the introduction of invasive <i>dreissenid</i> mussel species. The Tahoe Regional Planning Agency (TRPA) partners with the Tahoe Resource Conservation District (RCD) to operate the watercraft inspection stations. This includes program management, oversight, servicing of the station with supplies and equipment, maintenance of the equipment and outreach. TRPA conducts oversight of the Project and contracts with ramps and marinas to ensure only previously inspected boats are launching in Lake Tahoe. TRPA is the overarching agency that provides the regulatory framework for the entire Program to exist.	Tahoe Regional Planning Agency	399,989.81	Fully	399,989.81	
TOTAL					\$2,076,404.21		\$1,705,005.47	

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Project Funding Summary

Grant Year: 2018/2019:

Project	Reservoir	Project Type*	Application Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Big Bear Municipal Water District (BBMWD) Quagga and Zebra Mussel Prevention Program FY 18/19	Big Bear Lake	Tier 2: Implementation	This project will improve current quagga/zebra mussel prevention efforts by continuing to provide personnel at the public launch ramps with robust monitoring practices, enhancing inspection procedures, and building a more efficient and safer decon station to deal with fully infested vessels.	Big Bear Municipal Water District	400,000.00	Partially	250,000.00	\$150,000 (task 5 and task 4) for a boat lift was not funded due to low priority/difference from current decontamination standards.
Inspection and Decontamination Station	Lake Casitas	Tier 2: Implementation	This project will construct a building used for inspection and decontamination, which includes covered outdoor inspection/decontamination area, appropriate drainage, office space for inspection staff, public area for QZM education, and storage area for decontamination equipment. All vessels will be required to comply with Casitas' inspection and quarantine policy, which will be done onsite. Public area of office to be used for QZM education.	Casitas Municipal Water District - Lake Casitas Recreation Area	400,000.00	Partially. Funding declined by applicant	0.00	Portions of the project were beyond the scope of the Program. Inspection and decontamination staging area tasks were approved for \$69,500, but the applicant declined award.
Public Outreach and Education Program	Lake Casitas	Tier 2: Implementation	This project will provide public education and outreach on the catastrophic impact to the environment, infrastructure, and recreational opportunities quagga and zebra mussel infestations create. This project includes outreach locally and at public events statewide, building off of Casitas' FY 2017/18 QZM Infestation Prevention Grant funded Public Education and Outreach Program.	Casitas Municipal Water District - Lake Casitas Recreation Area	138,548.90	Denied	0.00	Project solely about attending trade/sport shows to promote the reservoir; it is not focused on QZ prevention, therefore this project is not a justifiable expense for QZ Grant funds.
Contra Loma Prevention Program Implementation	Contra Loma Reservoir	Tier 2: Implementation	This project involves the implementation of the ongoing Infestation Prevention Program at Contra Loma Reservoir and support of expanded inspection hours at the reservoir. Contra Loma is owned by Bureau of Reclamation (BOR) and is operated and maintained by Contra Costa Water District (CCWD). CCWD and the East Bay Regional Park District (EBRPD) work collaboratively to sustain recreation at Contra Loma and to implement the Mussel Prevention Program at the reservoir. CCWD is seeking funding to support the ongoing program and ensure that Contra Loma remains uninfested.	Contra Costa Water District	252,375.00	Fully	252,375.00	
Lake County Q/Z Prevention Implementation Project 18/19	Clear Lake	Tier 2: Implementation	The project will continue improvement to the current Lake County Invasive Mussel Prevention Plan by funding another 2 years of boat ramp monitors, providing education, and improving local and state law compliance with persons recreating on Clear Lake. The project will also improve mussel prevention outreach and education via signage, radio and social media outlets. Lastly, the project will initiate the transition from paper screening into digital medium, allowing Lake County to connect, in real-time, with other AIS managers using digital systems to track incoming vessels, enhancing the ability to successfully detect a potential mussel introduction more effectively.	Lake County Watershed Protection District	399,996.35	Fully	399,996.35	
QZ Grant Application	Santa Margarita Lake and Lopez Lake	Tier 2: Implementation	This project will benefit existing mussel prevention by enhancing the four primary elements of the program: Inspection, monitoring and early detection/rapid response, and outreach.	County of San Luis Obispo Department of Parks and Recreation	242,603.25	Denied	0.00	Applicant did not submit a complete application.

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Project Funding Summary

Project	Reservoir	Project Type*	Application Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Shadow Cliffs and Del Valle - Quagga and Zebra Mussel Infestation Prevention	Shadow Cliffs Reservoir and Lake Del Valle	Tier 2: Implementation	This project supports implementation of the District's Prevention Plan at Lake Del Valle, which is the District's most popular boating site, and also at Shadow Cliffs Lake where a prevention program was only recently started in 2016. With this project, the District expects to inspect and educate over 11,500 vessels annually, or 23,000 over the two-year project.	East Bay Regional Park District	400,000.00	Fully	400,000.00	
Enhancing Lake Access Restrictions and Implementing a Decontamination Station	Ruth Lake	Tier 2: Implementation	The Grant will assist with relocation of the secured access to the lake due to vandalism and flooding issues. Large 2-ton boulders at several locations will deter unauthorized vehicle access. Funding will help with both substrate and surface monitoring and a decontamination unit will help with the prevention of the invasive mussels. Supplies such as stickers, trailer bands and key cards will also be purchased.	Humboldt Bay Municipal Water District	70,106.50	Denied	0.00	Applicant did not submit a complete application.
Lake Cuyamaca QZM Prevention Upgrades	Lake Cuyamaca	Tier 2: Implementation	This project will include the purchase and installation of a new mobile AIS decontamination unit, a storage facility for this unit, and training for park staff on this new unit. Additionally early-detection monitoring will continue. A new kiosk will be added at the boat launch to make banding watercraft easier. Additional education and outreach will be conducted by Lake staff throughout the year. The goal of this project is to continue to ensure that Lake Cuyamaca remains uninfested, and that the Lake and its Staff do their part in furthering the education of the public as a means of mitigating risk and spread of QZM and other AIS.	Lake Cuyamaca Recreation and Park District	117,640.00	Partially	117,390.00	Preparation of CEQA documents (Task 1 \$250) not funded.
Vessel Inspection Program for Coyote and Lexington Reservoirs	Coyote Reservoir and Lexington Reservoir	Tier 2: Implementation	The Project includes implementation and maintenance of the Vessel Inspection Program. Detection/Monitoring – done by Santa Clara Valley Water District (SCVWD) and consists of surface surveys, and analysis of artificial substrate samples and Plankton tows. Public Education – development of community outreach and education plans using social media, intercept surveys, and planning and securing mixed media advertising. Management of Recreational Activities includes QID database management, signage, vessel banding, inspection site improvements, conducting monitoring activities and preparing reports. Assessment/Evaluation - a formal Request for Proposals (RFP) process will be used to update the Vessel Inspection Program.	Santa Clara County Parks and Recreation Department	400,000.00	Fully	400,000.00	
Vessel Inspection Program for Stevens Creek Reservoir	Stevens Creek Reservoir	Tier 2: Implementation	The Project includes implementation and maintenance of the Vessel Inspection Program. Detection/Monitoring – done by SCVWD and consists of surface surveys, and analysis of artificial substrate samples and Plankton tows. Public Education – development of community outreach and education plans using social media, intercept surveys, and planning and securing mixed media advertising. Management of Recreational Activities includes QID database management, signage, vessel banding, inspection site improvements, conducting monitoring activities and preparing reports. Assessment/Evaluation - a formal Request for Proposals (RFP) process will be used to update the Vessel Inspection Program.	Santa Clara County Parks and Recreation Department	202,197.34	Fully	202,197.34	

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Project Funding Summary

Project	Reservoir	Project Type*	Application Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Vessel Inspection Program for Anderson and Calero Reservoirs	Anderson Reservoir and Calero Reservoir	Tier 2: Implementation	The Project includes implementation and maintenance of the Vessel Inspection Program. Public Education – development of community outreach and education plans using social media, intercept surveys, and planning and securing mixed media advertising. Detection/Monitoring – done by SCVWD and consists of surface surveys, and analysis of artificial substrate samples and Plankton tows. Management of Recreational Activities includes QID database management, signage, vessel banding, inspection site improvements, conducting monitoring activities and preparing reports. Assessment/Evaluation - a formal Request for Proposals (RFP) process will be used to update the Vessel Inspection Program.	Santa Clara County Parks and Recreation Department	400,000.00	Fully	400,000.00	
Lake Berryessa Mussel Prevention Program	Lake Berryessa	Tier 2: Implementation	This Program is a prevention program that employs 14 interns and a dedicated Tech. It includes a seal/receipt component to reduce re-inspection time and a decontamination service. Staff educate boaters and inspect their boats May-Sep. Oct-April, inspections are conducted as resources permit. SCWA will have an increased presence to inspect and educate anglers and others during the 'off-season', better preventing an introduction. This grant will help increase inspections, seals applied, and decontaminations.	Solano County Water Agency	293,272.00	Fully	293,272.00	
Lake Sonoma Mussel Infestation Prevention Program	Lake Sonoma	Tier 2: Implementation	This is an implementation project to expand the existing watercraft inspection program at Lake Sonoma, and conduct education and outreach activities to increase awareness of Dreissenid mussels. This Project seeks to expand watercraft inspections to 12 months out of the year, adding 10,844 inspector hours and 736 mussel-sniffing canine hours, above the current inspection program. This Project will also post educational signage in new locations, implement a survey for watercraft owners, and conduct outreach at three regional events per year.	Sonoma County Water Agency	400,000.00	Fully	400,000.00	
Lake Mendocino Quagga/Zebra Mussel Prevention Program	Lake Mendocino	Tier 2: Implementation	Sonoma Water will expand watercraft inspections at Lake Mendocino. Sonoma Water has coordinated a successful inspection program since 2008. Quagga mussels were prevented from entering the reservoir by a mussel dog in June 2018. The project will expand inspections from 3 days a week, April to October, up to 7 days a week year-round and expand hours. Inspections take place at 2 public ramps, with 1-2 inspectors at each station and a mussel dog, when available. If the watercraft passes, it receives a sticker on the windshield. Watercraft receive inspection daily. Inspectors follow CDFW prevention protocols. Data entry is coordinated with the Colorado State University online database.	Sonoma County Water Agency	400,000.00	Denied	0.00	Applicant did not submit a complete application.

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Project Funding Summary

Project	Reservoir	Project Type*	Application Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Stanislaus County: Woodward and Modesto Reservoir 2019	Woodward and Modesto Reservoir	Tier 2: Implementation	This project includes Quagga Zebra Mussel Prevention efforts for both reservoirs and consists of public education/training, contracted canine inspections, annual staff training, staff program scheduling of inspections, protocol training, securing boat launch areas, purchase of material for distribution at entrance, public events education, surveys of customers at reservoir entry and program notices via social media, staffing costs for Manager/Supervisor, Park Aide, and administrative program related costs. Activities are consistent with North Central Valley Consortium Prevention Plan.	Stanislaus County Parks and Recreation Department	199,893.36	Partially	27,227.36	Partial award was determined to be \$6,376.36 based on activities commensurate with the current determination of low risk for QZ establishment at these reservoirs. Applicant appealed with a revised budget of \$27,227.36 which was awarded.
TOTAL					\$4,716,632.70		\$3,142,458.05	

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Project Funding Summary

Grant Year 2017/2018:

Project	Reservoir	Project Type*	Application Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Big Bear Lake Quagga and Zebra Mussel Infestation Prevention FY 17/18	Big Bear Lake	Tier 2: Implementation	The project will improve and enhance current quagga and zebra mussel efforts through continued efforts with BBMWD personnel operational costs, enhanced banding program, creating a better quality training environment, and building a secure and safer work space for QZ decontamination activities.	Big Bear Municipal Water District (BBMWD)	400,000.00	Partially	385,000.00	Funding was decreased by \$15,000 for the partition wall for the training facility as this was not directly relevant to the prevention of quagga and zebra mussel infestation.
Quagga and Zebra Mussel Infestation Prevention Strategic Public Outreach and Education	Lake Casitas	Tier 2: Implementation	The project will provide strategic public education and outreach on quagga and zebra mussel infestations and the catastrophic impact infestations have on recreational boating, the environment and infrastructure of marinas and water treatment facilities.	Casitas Municipal Water District	89,380.30	Fully	89,380.30	Outreach activities must be pre-approved by DBW.
City of San Diego Quagga Prevention Program	Hodges Reservoir and Sutherland Reservoir	Tier 2: Implementation	The ongoing Quagga Prevention Program consists of Inspection, Monitoring and Outreach for invasive species entering City of San Diego's non-infested reservoirs. This program began in 2007 and is handled by the City of San Diego Public Utilities Department. Vessels are inspected by lake staff and sampling is done by biologists to confirm the absence of invasive species. Reservoirs not connected to the California Aqueduct have remained un-infested over the past 10 years due to the diligent monitoring work by staff. This grant will help with the recovery of costs incurred by following the regulations in accordance with Fish and Game Code Section 2301(d)(1).	City of San Diego, Public Utilities Dept	271,981.60	Funding Declined by Applicant	0.00	Discussion involved funding a prevention plan. Funding declined by the Applicant.
Vulnerability Assessment	Diaz Lake	Tier 1: Planning & Assessment	This project is for the preparation of a Vulnerability Assessment for Diaz Lake.	County of Inyo	10,400.00	Fully	10,400.00	The draft and final vulnerability assessment must be submitted to California Department of Fish and Wildlife (CDFW) along with the DBW Grant Administrator, for review.
Shadow Cliffs and Contra Loma Prevention Program Implementation	Contra Loma Reservoir and Shadow Cliffs Lake	Tier 2: Implementation	This project will support the utilization of the Quagga Inspection Database Live time Software at both project sites, continue to implement an Inspection Program at Contra Loma Reservoir, and continue to implement an Inspection Program at Shadow Cliffs Lake.	East Bay Regional Park District	399,332.00	Partially	399,330.50	
Cards, Bands, Stickers and Dedicated phone lines	Ruth Lake Reservoir	Tier 2: Implementation	The District currently has a Prevention Plan and enforced inspection program to keep quagga and zebra mussels out of Ruth Lake. Funding from this grant will help cover costs for Gate Access Cards, Bands (Boat to Trailer) , Inspection Stickers, and three dedicated phone lines used to run computers allowing access via the gate access key cards.	Humboldt Bay Municipal Water District	7,480.00	Fully	7,480.00	

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Project	Reservoir	Project Type*	Application Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Quagga and Zebra Mussel Infestation Prevention FY 2017/18	Clear Lake	Tier 2: Implementation	The project will provide funding for 5 ramp monitors for two years, bolster the supplies and equipment used by ramp monitors to perform their duties, allow two monitors to be WIT level I and II trained, provide new and better signage and forms of messaging for QZ mussel prevention including the development and production of radio PSAs, and provide a data entry person to enter data from the monitor contact forms to the boater information database.	Lake County Watershed Protection District	362,543.50	Partially	299,880.90	The Applicant later revised their request for some personnel, which were not covered by the grant.
QZ Mussel Infestation Prevention FY 2017/18 Planning	Clear Lake	Tier 1: Planning & Assessment	The Lake County Mussel Prevention Plan will be improved by adding a Rapid Response Plan. While the Prevention Plan is a successful and preferred management strategy, Lake County must be prepared to take action when prevention measures fail. A Rapid Response Plan will be an addition to the Plan that responds to a QZ mussel incident quickly and effectively.	Lake County Watershed Protection District	65,791.60	Denied	0.00	Funding for this project was declined because a Rapid Response Plan is in response to infestation and is therefore not a prevention-type project. Only infestation prevention projects are reimbursable under the QZ Grant.
Paradise Lake Vulnerability and Prevention Plan	Paradise Lake and Magalia Reservoir	Tier 1: Planning & Assessment	This project will prepare a mussel vulnerability assessment and prevention plan for Paradise Lake and Magalia Reservoir.	Paradise Irrigation District	55,711.00	Partially. Funding Declined by Applicant	0.00	Magalia Reservoir did not meet the eligibility requirements of this grant since it is not open to the public and recreational activities are not allowed; funding was removed from the overall granted amount. Funding declined by Applicant for Paradise Lake.
SMUD Invasive Mussel Prevention Plan	Loon Lake, Rancho Seco Lake, Union Valley, Ice House, Folsom South Canal Pumping Plant	Tier 1: Planning & Assessment	SMUD is proposing to update its Invasive Mussel Protection Plan to prevent the inadvertent and unwanted introduction of invasive mussel species into SMUD-owned reservoirs and water supplies owned or under contract by SMUD. This proposal is to update the Vulnerability Assessment, Invasive Mussel Prevention Plan, and examine the logistics and feasibility of installing inspection and decontamination stations in the UARP and Rancho Seco Lake.	Sacramento Municipal Utility District	145,858.38	Partially. Funding Declined by Applicant	0.00	Folsom South Canal Pumping Plant did not meet the eligibility requirements. Funding for the other reservoirs was declined by the Applicant

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Project	Reservoir	Project Type*	Application Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Cachuma Lake Enhanced Mussel Prevention Program	Cachuma Lake	Tier 2: Implementation	Santa Barbara County Parks Division (SBCPD) is seeking funding to update and enhance the current Quagga-Zebra Mussel prevention plan in an effort to keep Cachuma Lake un-infested. In addition to current prevention protocols SBCPD seeks to update the program by creating satellite inspection sites in north and south counties as well as purchase equipment. With the purchase of new equipment SBCPD would be able to incorporate more detailed and comprehensive decontamination procedures. This in turn may allow for a reduced quarantine period for boaters wanting to launch at Cachuma Lake. SBCPD would also seek to hire additional staff to support the prevention efforts.	Santa Barbara County Parks Division	225,233.64	Partially	200,384.20	The QZ Grant program does not reimburse for the purchase of vehicles; therefore the funding request to fund a truck, was reduced to leasing a truck.
Phase II, Dinosaur Point Vessel Inspection Station Improvement Project for SLR S	San Luis Reservoir	Tier 2: Implementation	The Phase II, Dinosaur Point Vessel Inspection Station Improvement Project is a modification/expansion of a previous project designed to improve the vessel inspection site. This project will provide a permanent 10 ft. X 20 ft. inspection station building with sewer, water and power with an improved inspection site and better traffic control. The project also provides for an electric powered gate on the Dinosaur Point boat ramp access road for better egress and access.	California Department of Parks and Recreation	370,636.02	Partially	54,500.00	The following items were not funded since they were not directly related to QZ prevention: Multi-use building with permanent restroom and water tank for fire prevention.
Lake Tahoe Watercraft Inspection Program Assessment	Lake Tahoe	Tier 1: Planning & Assessment	The purpose of this project is to conduct an independent assessment of the Lake Tahoe Watercraft Inspection Program. This assessment will evaluate the effectiveness and accuracy of the watercraft inspections being carried out, according to Program protocols, at watercraft inspection stations and launch facilities at Lake Tahoe.	Tahoe Regional Planning Agency	21,450.00	Fully	21,450.00	
Santa Clara vessel Inspection Program for reservoirs in Santa Clara	Anderson, Calero, Coyote, Lexington and Stevens Creek	Tier 2: Implementation	The project will implement physical vessel inspections at 4 reservoirs in Santa Clara County. Funding will go towards equipment & trained personnel needed to successfully establish the Vessel Inspection Program at the County's Vessel Inspection Sites. The project also includes operational improvements related to vessel inspection tracking, inspection station improvements, traffic flow, signage, and education.	Santa Clara County Parks and Recreation Department	278,274.00	Fully	278,274.00	

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Project Funding Summary

Project	Reservoir	Project Type*	Application Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Black Butte Lake- Education/Outreach & Quagga/Zebra Mussel Monitoring	Black Butte Lake	Tier 2: implementation	Park Rangers will continue monthly monitoring of three mussel substrates in accordance w/CDFW protocol. Monthly plankton tows will be contracted in order to verify the absence of Zebra/Quagga veligers. Signage interpreting the economic, recreational and environmental harm caused by mussel infestation will be installed at each boat launch facility. Signage w/instruction for self-inspection of vessels will be installed at each boat launch facility. Park Rangers will utilize interpretive/ educational handouts to better inform visitors of the economic, recreational and environmental harm caused by mussel infestation.	U.S. Army Corps of Engineers - SPK	33,000.00	Partially	9,000.00	Outreach activities must be pre-approved by DBW. \$24,000 from Task 2 "Monthly Plankton Tows" was removed from this proposal's Scope of Work with the understanding that CDFW will provide this work.
Success Lake Quagga and Zebra Mussel Infestation Prevention FY 2017/ 18	Success Lake	Tier 2: Implementation	The purpose of the Success Lake Mussel Prevention program is to adopt and implement a more comprehensive inspection program, provide education and educational materials regarding invasive mussel species, and enhance the project to decrease the risk of infestation. Overall, Success Lake plans to establish a mussel information/education headquarters station in the primary recreation area, expand the inspection program (artificial substrates, water sampling & plankton tows), educate visitors with mussel dogs and voluntary inspections and continue to grow into a full-fledged mandatory education and inspection program.	United States Army Corps of Engineers - SPK	400,000.00	Partially	349,733.01	The following items were not funded: multi-use building, and CDFW training (this is because CDFW provides training for moderate to high risk reservoirs, as a courtesy).
New Melones Reservoir	New Melones reservoir	Tier 2: implementation	This project will improve upon existing education, monitoring, and management programs by procuring materials for outreach, including setting up a mussel display at the lake's visitor center and museum, purchasing a storage facility for all three programs, contracting canine inspection teams, and purchasing portable inspection facilities.	US Bureau of Reclamation, New Melones	400,000.00	Deadline not met	0.00	The grant agreement was not submitted by the deadline, which caused the Applicant to forfeit the funding for this grant cycle.
Tahoe National Forest Reservoir Vulnerability Assessments	Upper Sardine, Lower Sardine, Upper Salmon, Lower Salmon, Deer, Snag, Packer, and Weaver.	Tier 1: Planning & Assessment	The goal of this project is to conduct a vulnerability assessment and develop a prevention plan for reservoirs that are owned and managed by the Yuba District in the Tahoe National Forest. In addition, we will provide some public outreach and will monitor reservoirs for infestation. These reservoirs and lakes include Upper Sardine, Lower Sardine, Upper Salmon, Lower Salmon, Deer, Snag, Packer, and Weaver.	USFS - Tahoe National Forest	146,664.00	Fully	146,664.00	
Total					\$3,683,735.28		\$2,251,476.91	

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Project Funding Summary

Grant Year 2016/2017:

Project	Reservoir	Project Type*	Brief Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Big Bear Lake Quagga and Zebra Mussel Infestation Prevention FY 16/17	Big Bear Lake	Tier 2: Implementation	The project will enhance the reservoir's current QZ prevention program by replacing and upgrading existing decontamination units, and purchasing a flow camera for aquatic invasive species monitoring. Funding will also go towards watercraft inspection personnel and operational costs.	Big Bear Municipal Water District	400,000.00	Partially	345,000.00	Funding will be decreased for the well drilling.
Plan Update	Anderson, Calero, Coyote, Lexington	Tier 2: Implementation	The project entails hiring a consultant to manage and update the Bay Area Consortium Zebra & Quagga Mussel Coordinated Prevention Plan.	Santa Clara County Parks and Recreation Department	200,000.00	Withdrawn by Applicant	0.00	
San Luis Recreation Area Dreissenid Mussel Inspection and Education	San Luis Reservoir, O'Neil Forebay, Los Banos Creek Reservoir	Tier 2: Implementation	The project is for the implementation of the reservoir's existing Dreissenid mussel watercraft inspection and education program at the San Luis Reservoir State Recreation Area.	California Department of Water Resources	400,000.00	Fully	400,000.00	Fully Funded without conditions.
Stanislaus County Reservoirs	Modesto Reservoir Woodward Reservoir	Tier 2: Implementation	The project will implement a mussel dog inspection program at both Modesto and Woodward reservoir. Funding will also go towards the purchase of an electronic sign that will display relevant messages at the Woodward reservoir's main launch ramp.	Stanislaus County Parks and Recreation Department	285,403.60	Fully	285,403.60	Fully Funded without conditions
Printer / Scanner / Copier	Silverwood Lake	Tier 2: Implementation	The project is to improve customer service, public education, and productivity at the reservoir's inspection station of Silverwood Lake SRA.	Department of Parks and Recreation- Tehachapi District- Silverwood Lake SRA	15,225.00	Fully	15,225.00	Fully Funded without conditions
Handheld Radios	Silverwood Lake	Tier 2: Implementation	The project is for the replacement of aging handheld radios used by inspectors at the reservoir's inspection station.	Department of Parks and Recreation- Tehachapi District- Silverwood Lake SRA	85,000.00	Fully	85,000.00	Fully Funded without conditions
Improved and Additional Inspection/Launch Site Facilities	Ruth Lake	Tier 2: Implementation	The project aims to improve traffic flow at the reservoir's inspection sites through the installation of a gate arm at the reservoir's marina and the construction of a public launch at Old Ruth's site.	Humboldt Bay Municipal Water District	63,500.00	Fully	63,500.00	Fully Funded without conditions

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Project Funding Summary

Project	Reservoir	Project Type*	Brief Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Quagga and Zebra Mussel Infestation Prevention FY 2016 / 17	Clear Lake	Tier 2: Implementation	The project will provide funding to support Clear Lake's current prevention program's staff and training. The project aims to implement decontamination and inspection training to ramp monitors who screen and educate boaters about quagga and zebra mussels prior to launching.	Lake County Watershed Protection District	312,606.06	Fully	312,606.06	Fully Funded without conditions
County of Monterey Mussel Prevention Program	Lake Nacimiento Lake San Antonio	Tier 2: Implementation	The project will continue the invasive quagga and zebra mussel inspection program, improve capacity for vessel tracking using the Quagga Inspection Database (QID), and provide gate and security upgrades to prevent uninspected vehicles from entering the reservoir. This project will also provide training for inspectors, and expand the invasive mussel outreach and education program.	County of Monterey	250,000.00	Fully	250,000.00	Fully Funded without conditions
San Luis Reservoir SRA Watercraft Interception Program Vehicle lease project	San Luis Reservoir, O'Neil Forebay, Los Banos Creek Reservoir	Tier 2: implementation	This project will replace three high mileage trucks currently being used for the San Luis Reservoir Watercraft Interception Program. The vehicles are used by inspection staff to monitor, assist, and transport staff as necessary.	State of California Department of Parks and Recreation	60,293.00	Withdrawn by Applicant	0.00	The DBW QZ grant cannot be utilized to purchase vehicles; however the applicant could lease vehicles that would be utilized for the reservoir's quagga and zebra mussel infestation Prevention program, for the term of the agreement, however the applicant withdrew their application.
Lake Tahoe Watercraft Inspection Process Improvements	Lake Tahoe	Tier 2: Implementation	The project will upgrade and replace necessary inspection and decontamination equipment. Funding will also go towards the purchase of a decontamination trailer, decontamination unit, portable office building for the Meyers Inspection Station, artificial substrate monitoring equipment etc.	Tahoe Regional Planning Agency	131,138.00	Fully	131,138.00	Fully Funded without conditions
TOTAL					\$2,481,438.90		\$1,887,872.66	

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Project Funding Summary

Grant Year 2015/2016:

Project	Reservoir	Project Type*	Brief Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Clear Lake Mussel Prevention Improvement Project	Clear Lake	Tier 2: Implementation	The project will enhance the reservoir's current prevention program by increasing personnel for boat monitoring and by purchasing two decontamination units and outreach materials.	Lake County Watershed Protection District	127,668.69	Partially	45,568.69	The proposed DBW funding to purchase a Work skiff (vessel) is declined due to accessibility to other vessels within the Reservoir. A review of your application did not substantiate the purchase of a vessel for use in monitoring as other vessels are available and monitoring of the substrates are currently being performed by the Department of Fish and Wildlife in conjunction with Lake County staff.
Feasibility Study for Electric Boat Ramp Gates	Clear Lake	Tier 1: Planning & Assessment	The project will implement a feasibility study for the installation of electric boat ramp gates at the reservoir.	Lake County Watershed Protection District	171,140.51	Fully	171,140.51	Fully fund with conditions - Re- evaluate hourly management wages which is considered to be excessive at \$96.69 per/hr. Demonstrate the use of the California Natural Resources Agency's Guidebooks for Recreation Water Managers and Users, and other plans. The Narrative was absent the funding, which explains the progress that has been made during the previous grant cycle.
Big Bear Municipal Water District Quagga & Zebra Mussel Prevention Program	Big Bear Lake	Tier 2: Implementation	The project will enhance the reservoir's current prevention program, which will include the expansion of their decontamination station and the replacement of the reservoir's decontamination units.	Big Bear Municipal Water District	400,000.00	Fully	400,000.00	Fully Funded without Conditions
East Bay Invasive Mussel Prevention Program	Contra Loma, Del Valle, Chabot, Shadow Cliffs	Tier 2: Implementation	The project will increase personnel and inspection days at the reservoirs' inspection stations.	East Bay Regional Park District	311,480.00	Partially	281,480.00	There was no substantiation for the purchase of a truck to be utilized entirely for the prevention of Quagga/Zebra mussel introduction to Lake Del Valle. Further discussion may allow a truck to be leased for a specific period of time.
Inyo County Prevention of Infestation with Quagga Mussels	Diaz Lake	Tier 1: Planning & Assessment	The project will complete an invasive mussel vulnerability assessment for the reservoir.	County of Inyo	123,895.00	Denied	0.00	Denied - Could not provide management authority document
Lake Tahoe Quagga Prevention Data Tracking	Lake Tahoe	Tier 2: Implementation	The project will help establish a real-time vessel inspection data tracking system.	Tahoe Regional Planning Agency	65,000.00	Fully	65,000.00	Fully Funded with Conditions to provide documentation as to the results of the prevention data tracking from other states.
Stevens Creek Reservoir Mussel Vulnerability Assessment	Stevens Creek	Tier 1: Planning & Assessment	The project will complete an invasive mussel vulnerability assessment for the reservoir.	Santa Clara Valley Water District	38,895.00	Denied	0.00	The project was fully funded with conditions; however, since the grant agreement was not submitted on time, we could not fund the given project.

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Project	Reservoir	Project Type*	Brief Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Lake Berryessa Boater Outreach Program	Lake Berryessa	Tier 2: Implementation	The project will purchase a mobile decontamination station, necessary educational signage, and increase aquatic invasive species personnel training.	Solano County Water Agency	295,175.00	Partially	286,526.00	Attendance of the Western Regional Panel on Aquatic Nuisance Species Conference will be removed from the project. The content of the conference is beyond the scope of quagga and zebra mussel infestation prevention and is not considered vital for this program.
Lake Perris Quagga Inspection Launch Ramp Parking Lot Re-design	Lake Perris	Tier 2: Implementation	The project will retrofit the reservoir's current launch ramp parking lot to increase efficiency in their vessel inspections.	Department of Parks and Recreation – Inland Empire District	395,000.00	Fully	395,000.00	Fully fund with conditions to Expand the project's prevention Plan by including public education and Outreach for quagga and zebra mussel prevention. Currently, the Prevention Plan does not indicate education or outreach activities in the reservoir, except training of education and outreach to current staff.
Lake Perris Patrol Boat Acquisition	Lake Perris	Tier 2: Implementation	The project entails purchasing a new patrol vessel to regularly patrol Lake Perris emphasizing on the new Quagga Registration Requirement.	Department of Parks and Recreation – Inland Empire District	126,000.00	Denied	0.00	Unable to fund because the project could not substantiate the purchase of an enforcement vessel. Funding Should be sought through the DBW Law Enforcement/ Abandon Watercraft Unit.
Vessel Inspection at Santa Clara Co. Reservoirs	Anderson, Calero, Coyote, Lexington	Tier 2: Implementation	The project will implement a vessel inspection program at the four reservoirs, which includes the purchase of necessary inspection equipment, personnel hiring, and training.	Santa Clara County Parks and Recreation Department	400,000.00	Partially	320,000.00	Stevens Creek Reservoir shall be removed from the prevention project. Santa Clara Water District is in the process of assessing the vulnerability of Stevens Creek Reservoir, which is required before an implementation project such as inspections of vessels can begin.
Dreissenid Mussel Inspection and Education Program at Pyramid Lake	Pyramid Lake	Tier 2: Implementation	The project will increase personnel and purchase needed supplies for the existing Dreissenid mussel watercraft inspection and education program at the reservoir.	California Department of Water Resources	400,000.00	Fully	400,000.00	Fully Funded without conditions
Lake Hennessey Boater Outreach Program	Lake Hennessey	Tier 2: Implementation	The project will complete an invasive mussel vulnerability assessment for the reservoir to identify the lake's potential vulnerabilities of an invasive mussel infestation.	City of Napa Public Works Water Division	61,600.00	Fully	61,600.00	Fully fund with conditions - Re- evaluate staffing needs to accomplish your planning and assessment project. This may include consulting services and/or consulting contractors. Update your Task Budget and Line Item Budget reflecting additional costs for the staffing and/or consulting services needs for constructing the Vulnerability Assessment and Prevention Plan. Adjust your Scope of Work to align with the Task Budget and Line Item Budget.
Gate Arm and Computer Replacement for Quagga Prevention Program	Ruth Lake	Tier 2: Implementation	The project will replace and upgrade the current gate and key card system that allows only inspected vessels to utilize the lake.	Humboldt Bay Municipal Water District	9,150.00	Fully	9,150.00	Fully Funded without Conditions

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Project	Reservoir	Project Type*	Brief Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Clear Lake Mussel Prevention Improvement Project (2)	Clear Lake	Tier 2: Implementation	The project will enhance the reservoir's current Quagga and Zebra mussel prevention program by increasing their personnel at ramp locations.	Lake County Watershed Protection District	155,700.00	Partially	140,700.00	A review of your application did not reveal substantiation for a scuba diver to be hired for monitoring purposes. Artificial substrates and plankton tows serve as an effective way of monitoring in addition to water sampling when efforts are being made to detect the introduction of the dreissenid mussel in Clear Lake.
Quagga & Zebra Mussel Infestation Prevention at Santa Clara County Reservoirs	Anderson, Calero, Coyote, Lexington, Stevens Creek	Tier 2: Implementation	The project will increase personnel and necessary equipment for the reservoirs' inspection stations. The project will also purchase Quagga ID software and educational signage.	Santa Clara County Parks and Recreation Department	399,861.79	Denied	0.00	Project not encumbered for fiscal year 15/16 due to administrative delays. Application will be funded in fiscal year 16/17.
Truckee-Tahoe Regional Prevention Program Inspection Station Operations	Lake Tahoe	Tier 2: Implementation	The project will purchase and install a decontamination station and a portable office for the reservoir's Truckee- Tahoe Vessel Inspection Station.	Tahoe Regional Planning Agency	399,480.00	Partially	215,000.00	A review of your application revealed costs for the purchase and installation of a decontamination unit are not consistent with other applicants whom have purchase these permanent, self-contained units. Additionally a façade for a building does not conform to the statute for the prevention of the introduction of dreissenid mussels in Lake Tahoe. A Request for Proposal is being solicited as stated in the deliverable. Three (3) competitive bids must be secured and submitted to DBW prior to purchasing the unit.
Truckee-Tahoe Regional Prevention Program, and Truckee-Tahoe Inspection Station	Donner Lake	Tier 1 & Tier 2 (Combination Project): Planning & Assessment; Implementation	The project will increase personnel for the implementation of the lake's current vessel inspection and outreach program. The project will also construct a new Truckee-Tahoe Inspection Station. This project also includes conducting early detection monitoring.	Town of Truckee Police Department	400,000.00	Fully	400,000.00	Fully Funded without conditions
Lake Mendocino and Lake Sonoma Quagga Mussel Prevention Program	Lake Sonoma, Lake Mendocino	Tier 2: Implementation	The project will acquire personnel and mussel dogs to carry out vessel inspections and vessel banding at both reservoirs. The project also includes the installation of a launch ramp and a mechanical arm to control launch traffic at the reservoirs. The grant will also fund for educational signage pertaining to Quagga and Zebra mussels.	United States Army Corps of Engineers	300,019.20	Fully	300,019.20	Fully Funded without conditions

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Project Funding Summary

Project	Reservoir	Project Type*	Brief Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
New Melones Lake	New Melones Lake	Tier 2: Implementation	The project will purchase three portable boat decontamination stations, increase personnel for the reservoir's decontamination stations, and attain canines trained in locating mussels on vessels.	US Bureau of Reclamation, New Melones	\$366,240.00	Fully	\$366,240.00	Fully Funded without conditions
Castaic Lake Dreissenid Inspection and Education Program	Castaic Lake	Tier 2: Implementation	The project will increase personnel at the lake's existing Dreissenid mussel watercraft inspection stations, especially during peak seasons.	California Department of Water Resources	400,000.00	Fully	400,000.00	Fully Funded without conditions
Grant Application for lake Sonoma/Lake Mendocino	Lake Sonoma, Lake Mendocino	Tier 2: Implementation	The project will acquire personnel and mussel dogs to carry out vessel inspections and vessel banding at both reservoirs. The project also includes the installation of a launch ramp and a mechanical arm to control launch traffic at the reservoirs. The grant will also fund for educational signage pertaining to Quagga and Zebra mussels.	United States Army Corps of Engineers	300,019.20	Fully	300,019.20	Fully Funded without conditions
San Luis Reservoir Dinosaur Point Vessel Inspection Station Improvement Project	San Luis Reservoir	Tier 2: Implementation	The project will improve the reservoir's Dinosaur Point Inspection Station's power reliability, lighting, site access control, and phone line service.	Department of Parks and Recreation-Central Valley District	125,388.00	Fully	125,388.00	Fully Funded without conditions
Total					\$5,771,712.39		\$4,682,831.60	

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Project Funding Summary

Grant Year 2014/2015:

Project	Reservoir	Project Type*	Brief Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Westside IRWMP Detection and Education Plan for Eurasian Mussels	Lake Berryessa, Clear Lake, Indian Valley Reservoir	Tier 1: Planning & Assessment	The Project will develop an Early Detection and Education Plan for Eurasian mussels for the Westside Region (Westside Mussel Plan).	Westside Sacramento Integrated Regional Water Management Plan	163,236.00	Denied	0.00	Reservoir owner and/or management authority documents were not submitted. In addition, the Project was not organized adequately to be funded for 2014/15 Grant Program period.
Lake Casitas Quagga and Zebra Mussel Vulnerability Assessment	Lake Casitas	Tier 1: Planning & Assessment	The Project will develop and complete a vulnerability assessment for the reservoir.	Casitas Municipal Water District	40,000.00	Fully	40,000.00	Fully Funded without conditions
Western Nevada County Regional Prevention/Monitoring Program	Rollins Scott Flats Combie	Tier 1: Planning & Assessment	The Project will provide a completed Vulnerability Assessment and a Prevention Plan for the reservoirs.	Nevada Irrigation District	114,235.00	Partially	54,564.65	The Project was reduced to a Planning/Assessment Project because the project did not meet requirements for an Implementation Project.
Lake Sonoma Mussel Prevention Program	Lake Sonoma	Tier 2: Implementation	The Project will adopt and implement a Level 3 (Comprehensive) inspection program at the Water Agency impoundments, which include Lake Sonoma and Lake Mendocino.	Sonoma County Water Agency	200,000.00	Denied	0.00	The applicant was not eligible for the Grant Program because they did not have management authority agreement in the reservoir with the U.S. Army Corp of Engineers (USACE).
Lake Mendocino Mussel Prevention Program	Lake Mendocino	Tier 2: Implementation	The Project will implement a new mandatory inspection program for motorized watercraft, which includes installing inspection stations at Mendocino North and Mendocino South ramps.	Mendocino County Russian River Flood Control and Water Conservation Improvement District	200,000.00	Denied	0.00	The applicant was not eligible for the Grant Program because they did not have management authority agreement in the reservoir with the USACE.
Tahoe Truckee Regional Prevention Program	Donner Lake	Tier 2: Implementation	The Project will move the an existing inspection and decontamination station to a regionally accessible location that will serve two primary reservoirs, Donner Lake and Lake Tahoe, and three secondary reservoirs, Boca, Prosser and Stampede. This project will also merge the concurrent inspection efforts of the primary and secondary reservoirs to provide a uniform and consistent inspection and decontamination process for all reservoirs.	Town of Truckee	200,000.00	Fully with Conditions	200,000.00	The applicant is required to complete and submit a Prevention Plan that is consistent with FG Code, §2302 prior to the execution of the Grant Agreement.
Lake Tahoe AIS Prevention Program-Alpine Inspection Station	Lake Tahoe	Tier 2: Implementation	The Project will provide funding to support activities for the on-going Prevention Program at Lake Tahoe. The Prevention Program consists of a comprehensive inspection and decontamination process, reciprocal banding and sticker program for boaters, monitoring, outreach, and education.	Tahoe Regional Planning Agency	199,743.00	Fully with Conditions	200,000.00	The applicant is required to complete and submit a Prevention Plan that is consistent with Fish and Game Code, §2302 prior to the execution of the Grant Agreement.
Monterey County Quagga Zebra Prevention Program	Nacimiento Antonio	Tier 2: Implementation	The Project implements additional components of the on-going invasive species program. The project includes increase enforcement, training and outreach activities, education and outreach to the public, a vessel-tracking database, facility upgrades to inspection area, and program oversight.	Monterey County Parks Department	199,992.00	Fully	200,000.00	Fully Funded without conditions
Lake County Watershed Protection District QZ Mussel Prevention Awareness Project	Clear Lake	Tier 2: Implementation	The Project will strengthen the current Mussel Prevention Plan by increasing boat monitoring at the primary county and city public launch ramps at Clear Lake.	County of Lake Watershed Protection District	200,000.00	Partially	189,649.60	Transporting the quagga, infested boat from Lake Mead to Clear Lake was removed due to issues with transporting the boat into California as well as the management and tracking of the boat for educational purposes in Northern California.

California State Parks Division of Boating and Waterways (DBW)
2014-2024 Quagga and Zebra Mussel Infestation Prevention Grant Program (Approximately \$26.5 Million Total Funding Awarded Since Program Inception)
Project Funding Summary

Project	Reservoir	Project Type*	Brief Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Vessel Inspection Program at Reservoirs in Santa Clara County	Anderson Calero Coyote Lexington Stevens Creek	Tier 2: Implementation	The Project implements physical inspections at various reservoirs in Santa Clara County Parks, and broadens the regional approach through coordinated efforts with the Bay Area Regional Quagga Prevention Partners to prevent the introduction of mussels into the County's and Bay Area waterways.	County of Santa Clara Parks and Recreation Department	199,901.30	Fully	199,901.30	The applicant is also required to submit a Vulnerability Assessment prior to the execution of the Grant Agreement
Modesto Reservoir Project Plan	Modesto	Tier 2: Implementation	The Project will increase inspection activities that includes incorporating the use of the quagga and zebra mussel inspection dog.	Modesto Reservoir Regional Park (Stanislaus County Parks and Recreation)	38,800.00	Fully	38,800.00	Fully Funded without conditions
Woodward Reservoir Project Plan	Woodward	Tier 2: Implementation	The Project will increase inspection activities that included incorporating the use of the quagga and zebra mussel inspection dog.	Woodward Reservoir Regional Park (Stanislaus County Parks and Recreation)	36,760.00	Fully	36,760.00	Fully Funded without conditions
Central Coast Outreach to Boaters	Cachuma Lake	Tier 2: Implementation	The Project aims to support educational outreach to anglers and boaters in the central coast region by continuing the exchange information between boaters and stakeholders.	County of Santa Barbara	30,693.00	Withdrawn by Applicant	0.00	Fully Funded without conditions, however withdrawn by applicant.
East Bay Invasive Mussel Prevention Program	Contra Costa Lake Del Valle Lake Chabot Quarry Lakes	Tier 2: Implementation	The Project implements one year of the East Bay Regional Park District Prevention Plan in the Contra Costa Reservoir, Lake Del Valle, Lake Chabot and Quarry Lakes. The Project supports conducting surveys of watercraft entering the reservoirs, visual inspections of watercraft, banding program, use of a live-time database (QID), and reporting any adult mussels to the Department of Fish and Wildlife.	East Bay Regional Park District	200,000.00	Fully	200,000.00	Fully Funded without conditions
Tulloch Reservoir Wash Station	Tulloch	Tier 2: Implementation	The project installations of a boat wash station to decontamination watercraft upon entering the water in an effort to prevent the introduction/infestation into the Reservoir.	Oakdale Irrigation District South San Joaquin Irrigation District TRI-DAM Project Hydro-Electric Generations, Water and Irrigation District, Reservoir Operator	78,367.55	Increased Funding up to \$200,000 with Conditions	200,000.00	The unit proposed in the Project application has not been used for decontaminating mussel infested watercraft and equipment. As a result, funding was increased to support a decontamination unit that is designed for the removal quagga and zebra mussels from watercraft and equipment. The applicant is also required to comply with CEQA (potential mitigated negative declaration).

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Project	Reservoir	Project Type*	Brief Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Project Notes
Camanche Recreation Area - South Shore Vessel Decontamination Station	Camanche	Tier 2: Implementation	The Project will purchase and install a state of the art unit designed to decontaminate watercraft and equipment that is; new to the area, suspected of being infested, and known to be infested with quagga and zebra mussels.	East Bay Municipal Utility District	200,000.00	Fully with Conditions	200,000.00	The applicant is required to comply with CEQA (potential mitigated negative declaration).
Lake Berryessa Outreach Program	Lake Berryessa	Tier 2: Implementation	The Project develops and implements an outreach program to provide education to lake visitors, recreators, and resort employees about the importance of Lake Berryessa's water quality, good boating practices, and invasive species (quagga and zebra mussels).	Solano County	128,325.00	Fully	128,325.00	Fully Funded without conditions
Don Pedro Recreation Agency: Quagga & Zebra Mussel Infestation Prevention Program	Don Pedro	Tier 2: Implementation	The Project will continue the implementation of the Prevention Program and increase public awareness on preventing the spread of quagga and zebra mussel into Don Pedro Lake.	Don Pedro Recreational Agency	60,472.66	Withdrawn by Applicant	0.00	Funding was reduced based on the revised budget of \$60,472.66 submitted on February 9, 2015. Funding was reduced due to non-fundable project elements (salaried employees). The funding for the use of the inspection dog was reduced because the cost of the dog at Don Pedro was more than double (\$125/hr.) compared to other projects' cost (\$60/hr.) for the use of the dog.
Vessel Inspection Certification and Education (VICE) Program	Puddingstone	Tier 1 & Tier 2 (Combination Project): Planning & Assessment; Implementation	The Project creates a comprehensive Vessel Inspection, Certification and Education Program (VICE). The Project includes; the development of a more comprehensive Vulnerability Assessment, improves public outreach and education, improves monitoring activities, updates to the current inspection procedures as well as monitors the effectiveness of the program.	County of Los Angeles, Department of Parks and Recreation	200,000.00	Fully with Conditions	200,000.00	The applicant is required to expand the project's Scope of Work to include monitoring for quagga and zebra mussels in the reservoir.
Big Bear Lake Quagga and Zebra Mussel Prevention & Expansion Program	Big Bear Lake	Tier 2: Implementation	The Project implements upgrades to the existing Prevention Plan including; providing a state of the art training center, increasing security of the public launch ramp and streamlining ramp operations as well as vessel inspection and decontamination to improve to better serve the public.	Big Bear Municipal Water District	200,000.00	Fully	200,000.00	Fully Funded without conditions
Lake Sonoma Quagga and Zebra Mussel Education and Enforcement	Lake Sonoma	Tier 2: Implementation	The Project includes; working with the other Sonoma County agencies to draft, pass, and enforce a county ordinance; train and educate Sonoma County Sheriff's Marine Unit Deputies and Community Service Officers as quagga and zebra mussel inspectors; and provide educational materials informing visitors of the risk mussels pose on the environment, recreation activities in water bodies and economy.	Sonoma County Sheriff's Office, Marine Unit Sergeant	107,334.00	Denied	0.00	The applicant was not eligible for the Grant Program because they did not provide the reservoir management authority agreement with the USACE.
Total					\$2,997,859.51		\$2,288,000.55	