

**MISSOURI-MADISON RIVER FUND
RECREATION PROJECT
APPLICATION FORM FY2018**

Project Name: _____ Kobayashi Beach Dock Replacement_____

Reservoir or River Segment: __Ennis Lake_____ County(ies): __Madison_____

Site Name (or legal location if no site name): Kobayashi Beach

Applicant Name and Agency __Chris McGrath, BLM – Dillon Field Office – Ennis Duty Station__

Position (if applicable) __Outdoor Recreation Planner_____

Address __PO Box 765, Ennis MT 59729_____

Telephone # __406-682-4082_____ E-mail cmcgrath@blm.gov

Project Sponsor:

A Project Sponsor is required in order to submit an application to the River Fund. Project sponsors serve as active members of Missouri-Madison Regional Working Groups, and include representatives of the U.S. Forest Service; Bureau of Land Management; Montana Fish, Wildlife & Parks; local government; Madison, Gallatin, Broadwater, Chouteau, Lewis and Clark, or Cascade Counties; NorthWestern Energy and the Bureau of Reclamation. Visit www.missourimadison.com for a list of current Regional Working Group members.

Project Sponsor Name __ Chris McGrath_____

Agency and Position BLM – Dillon Field Office – Ennis Duty Station, Outdoor Recreation Planner_

Address _ PO Box 765, Ennis MT 59729_____

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Complete the financial section below by providing total project cost, contributions by applicant and cooperators, request for NorthWestern Energy match of agency funds (see detail on page 2 of this application), and River Fund Grant request. Document in-kind contributions by public agencies for determination of NorthWestern Energy match request. A description of funding sources and in-kind contributions should be included in the Project Description.

Financial Support

Total Project Cost: \$ _____ 54,750_____

Applicant Contributions: \$ 19,750 (in kind Labor)

Other Contributions - Please list by source:

_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____

NorthWestern Energy Match Request: \$ _____ 4,940.00_____

River Fund Grant Request: \$ _____ 30,060_____

Proposed Project Implementation Period: _____ Spring 2018_____

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1. Has this project been previously submitted for funding consideration by the River Fund Board, either as a separate project or part of another project? ___Yes X No

2. Is the proposed project at one of the Project 2188 license sites identified in the Missouri-Madison MOU and listed on page A2-2 of the Comprehensive Recreation Plan? X Yes ___ No

3. Project Description:

This project proposal is to replace the dock system at Kobayashi Beach, on the north shore of Ennis Lake (roughly 3 miles east of McAllister). The current dock was purchase (\$23,500) and installed in 2010, it has run the length of its lifespan. This is the only public dock on Ennis Lake; therefore, it receives substantial amounts of use and is important for public access. The dock is deteriorating and in dire need of replacement before it becomes a bigger safety hazard for the public. During the government shutdown in 2013, the dock sheared the welds at the junction between the two pieces and also broke free from the garbage can anchor and floated down the lake. The dock has been in rough shape ever since it floated away in 2013; it sits a little crooked from the broken support structures and is wobbly especially during wind events or when multiple people are on it. There has been issues with installing and removing the system due to its weight and needing to bring in heavy equipment onto a loose gravel and sandy shoreline, which leads to soils erosion. The consistent wave action of Ennis Lake has taken a toll on dock; due to its design (nothing but a concrete anchor to stabilize it), the dock is incapable of handling that kind of a beating on a daily basis. The current dock system is very congested and cannot handle the amount of boat traffic it receives during busy weekends through the summer. The BLM spent roughly \$3000 repairing the dock before the 2017 season. The rodholding the pieces together was replaced and the hinges repaired. The dock was realigned so it sits a little better and is less wobbly than previous years, but the dock still sits off balanced and shakes with every step and rocks in the wind. The support structures are still bent in several locations and a few spots are still broken. We replaced the gangway using scrap metal and built a new concrete anchoring system that is not a sufficient long term option.

All of the issues could be resolved by replacing the existing system with one that has a better anchoring system, is easier to install/remove, safer, more durable and will address the needs of the growing recreational use on the lake. A new dock system would provide a safer and all around better recreation experience for a busy recreation site. We would prefer an EZ Dock system but due to our bidding process we do not know what system we will end up getting.

Estimated Cost of Project				
Description	Quantity	Unit	Unit Price	Total Price
Courtesy Dock and Accessories	1	LS	\$23,500.00	\$23,500.00
Gangway	1	ea	\$4,000.00	\$4,000.00
Engineering Calculations (testing strength of system)	1	LS	\$7,500.00	\$7,500.00
			Contractor Total	\$35,000.00

4. Cultural Resource Management:

The BLM Dillon Field Office Archeologist would review the site and the project and submit the required paperwork to the State and NorthWestern Energy as well as complete the federal requirements that Cultural Resource Management involves.

5. Scoring Criteria

5.1 Project is for operation and maintenance of an existing recreation site or an existing Project 2188 license site.

This project is to replace an existing dock at Kobayashi Beach, on Ennis Lake. The BLM does not have the fiscal means to replace the dock system on our own.

5.2 Project involves collaboration with other agencies or organizations.

There are no partners for this project, as it is a BLM administered and maintained recreation site.

5.3 Project provides a benefit to public recreation in the Project Area and addresses specific issues and goals of the Missouri-Madison Comprehensive Recreation Plan (CRP).

The following issues and goals of the CRP would be supported by the project;

Condition and Capacity of Recreation Sites and Use Areas:

This project would help the BLM to provide “safe and well-managed” recreation facilities that “provides enjoyable user experiences across a spectrum of opportunities”.

Universal Access and Related Opportunities:

Improving the dock system would improve accessibility to those with disabilities as well as to those whom have a tough time on unstable surfaces.

Public Safety:

Replacing the existing dock system would increase public safety by improving the efficiency of people getting off the lake (during an afternoon thunderstorm for example). A new dock would also reduce the likely hood that someone would fall off the dock due to its instability.

5.4 Project responds to a clearly identified need.

Kobayashi Beach has the only public dock on Ennis Lake. The current dock is deteriorating. If we are not successful with this proposal, we will need to continue to use the existing dock system until we can locate another funding source.

5.5 Project design options have been considered, estimated, and a preferred design selected.

The design of this project is final. If funded this project would quickly moving into the contract administration phase.

5.6 Project supports or protects other resources and is consistent with or supports resource plans in the Project Area.

This project would improve the quality of the public access at Kobayashi Beach as well as improve water quality by reducing erosion associated with installing and removing the dock.

This project is consistent with the BLM-DFO Resource Management Plan (Amended 2016).

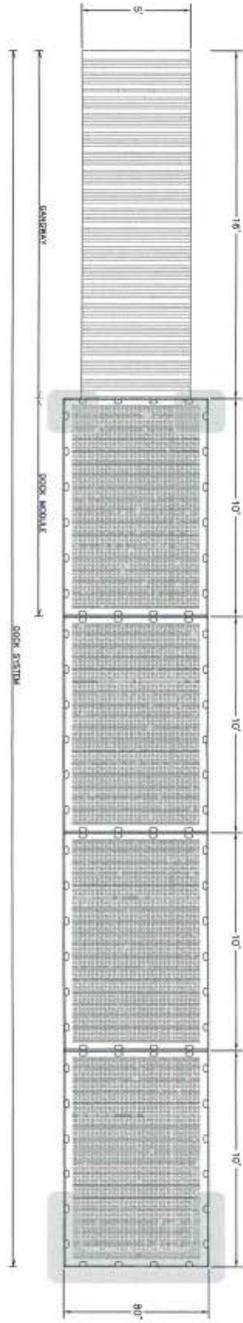
Recreation Goal 1: “Provide a diverse array of quality, resource based recreation opportunities while protecting and interpreting the resource values, providing educational opportunities, minimizing user conflicts, and promoting public safety.” By replacing the existing dock system, we would be promoting public safety with a stable dock. We would be protecting the resources by reducing erosion of the shoreline that occurs during the installation and removal of the existing system. A new dock system would provide improved access and improved quality of experience for a diverse array of recreational experiences. The new dock system would also improve accessibility.

Recreation Goal 2: “Develop and maintain appropriate recreation facilities, balancing public demand, protection of Public Lands resources, and fiscal responsibility.” This is the only public dock on Ennis Lake and thus it receives a significant amount of use and accommodates a wide variety of uses. If we are able to get an EZ Dock system, it has a life expectancy of 20 years and would likely last much longer. The current system had an 8 year lifespan but only lasted a few years before it started to deteriorate due to lake conditions, amount of use, and difficulties installing and removing the system.

6. Attach map(s) showing the location of the proposed project, drawings and design work related to the project, and photos (as available) at the end of the application.
7. Permitting and Planning Acknowledgement:

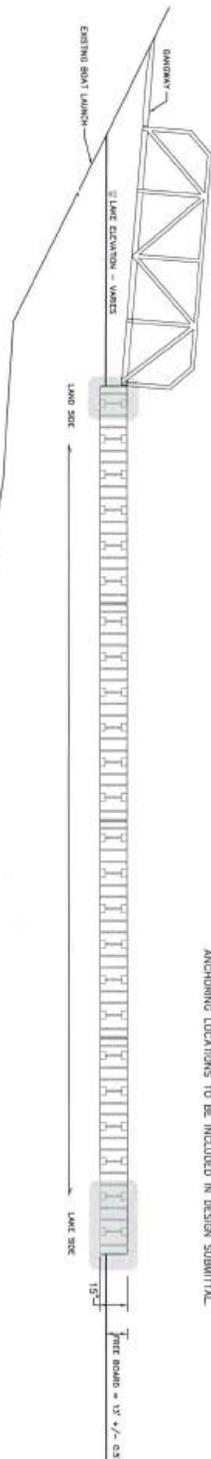
By submitting this application, and with an award of grant funds, applicant agrees that all permitting and planning requirements, such as NEPA and MEPA and cultural resource compliance, will be completed *prior to expenditures of awarded funds*. Furthermore, all design, layout, and contractual requirements will be completed in a timely manner.

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COURTESY DOCK - TOP VIEW
NOT TO SCALE

NOTE: SHADED AREAS INDICATE PREFERRED PIPE AND/OR DEADWEIGHT ANCHORING LOCATIONS. ANY PIPE ANCHORS SHALL BE LOCATED IN AREAS THAT MAXIMIZE DOCKING SPACE AND MINIMIZE DOCKING SPACE FORH. IN CONTRACT DOCUMENTS, DEPTH, NUMBER, TYPE AND SIZE OF ANCHORAGE TO BE BASED ON ENGINEERING CALCULATIONS SUPPLIED BY CONTRACTOR. PROPOSAL FOR ANCHORING LOCATIONS TO BE INCLUDED IN DESIGN SUBMITTAL.



ANCHORING DETAILS



COURTESY DOCK - PROFILE VIEW
NOT TO SCALE

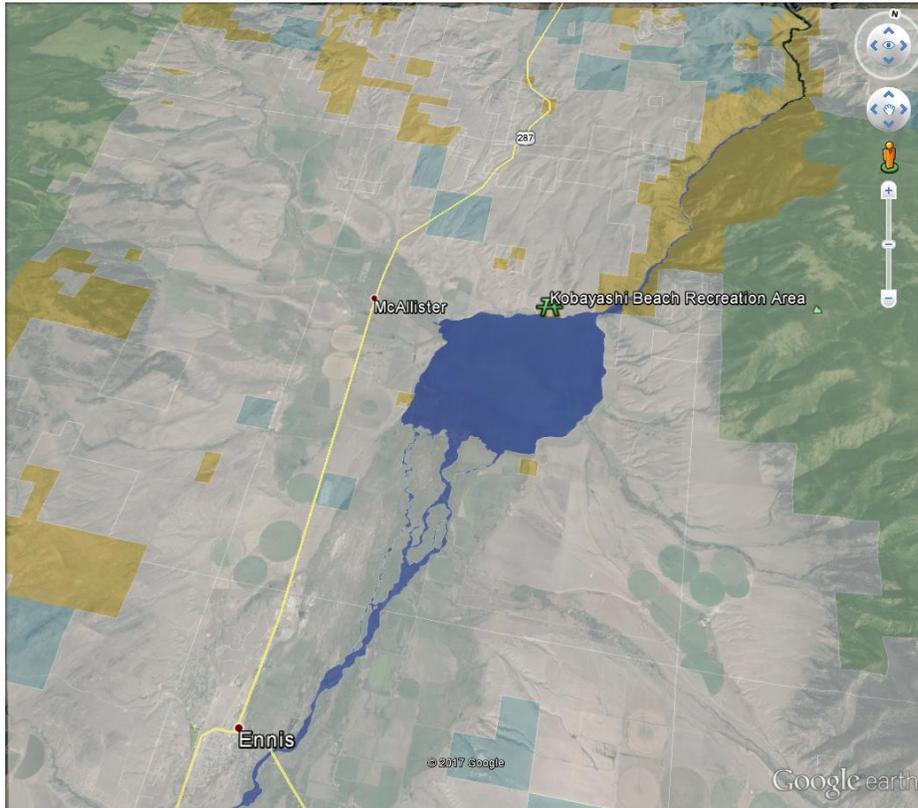
DEADWEIGHT WINCH INSERT - PROFILE VIEW
NOT TO SCALE

PIPE ANCHORING BRACKET - PROFILE VIEW
NOT TO SCALE

ANCHORING NOTES:
ANCHORING SYSTEM TO BE BASED ON ENGINEERING CALCULATIONS SUPPLIED BY CONTRACTOR. ANCHORING TO BE REVIEWED AND APPROVED BY THE GOVERNMENT PRIOR TO INSTALLATION.
ANY SINGLE-POCKET PIPE BRACKETS SHALL BE LIMITED TO LAND PORTION OF DOCKING SYSTEM.
DUAL-POCKET PIPE BRACKETS MAY BE ALLOWED ON LAKE-SIDE PORTIONS OF DOCKING SYSTEM AT THE SOLE DISCRETION OF THE GOVERNMENT.
ANY DEADWEIGHT ANCHORING TO INCLUDE WINCH ADD-ON FEATURE TO ALLOW FOR ADJUSTING TENSION IN DEADWEIGHT ANCHORING CABLES.

GENERAL NOTES:
CONTRACTOR SHALL VERIFY DRAWING DIMENSIONS AND PROJECT SITE CONDITIONS PRIOR TO INSTALLATION. DETAILS SHOWN ON DRAWING, SUCH AS LAKE ELEVATION, BOAT LAUNCH GRADE, LAKE BOTTOM, ETC., ARE FOR REFERENCE ONLY. CONTRACTOR TO REVIEW CONTRACT DRAWINGS FOR ANY ADDITIONAL FEATURES AND ITEMS NOT SHOWN.
INSTALL 8-INCH LONG (BLACK) NYLON TIE-UP CLEATS AT 6.5 FEET O.C. (OR CLOSER).
CONNECT CLEATS VIA T-TYPE NUTS THAT ARE WELDED INTO THE DOCK.
MODULES/SECTIONS, BEGINNING AT THE LAKE SIDE END, INSTALL A MINIMUM OF 5 CLEATS (PER SIDE).
THE UP CLEATS, POCKET FILLERS, MODULE COUPLERS, BUMPERS, SKY CABLES AND ALL CONNECTIONS, HANGWARE, AND APPURTENANCES ARE INDICATED TO BID PRICE OF THE DOCUMENTS.
DOCK SYSTEM AND COMPONENT DESIGN TO BE SIZED BY DOCK SUPPLIER IN ACCORDANCE WITH ENGINEERING CALCULATIONS.

AUTOCAD NAME: KOBAYASHI DOCK.DWG DESIGN OFFICE: WESTERN MONTANA DISTRICT DESIGNED BY: DRAWN BY: CHECKED BY: APPROVED BY:	MARK	REVISION	DATE	APPROVED	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT KOBAYASHI RECREATION SITE COURTESY DOCK DILLON FIELD OFFICE	



Location map



Most of the remaining damage is underneath the dock but you can see the damaged rail and side bumper.