



ANIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN

DEPARTMENT OF NATURAL RESOURCES

LANSING



REBECCA A. HUMPHRIES
DIRECTOR

October 12, 2009

Ms. Jessica Barber
Sea Lamprey Barrier Coordinator
U.S. Fish and Wildlife Service
Marquette Biological Station
3090 Wright Street
Marquette, MI 49855-9649

Dear Ms. Barber:

SUBJECT: Proposed Manistique River Lamprey Barrier

The Department of Natural Resources (DNR), Fisheries Division appreciates the opportunity to provide additional comment regarding the proposed plans by the Great Lakes Fishery Commission (GLFC) and U.S. Fish and Wildlife Service (FWS) to begin design engineering for construction of a new barrier to block sea lamprey on the Manistique River.

The DNR has previously provided comment on this project, most recently by letter dated April 8, 2008. In that letter it was requested that fish passage be incorporated into the proposed barrier design. Recently Fisheries Division's Lake Michigan Basin Team revisited previous discussions and recommendations for this project. After that discussion we reached consensus that management needs at this site were in priority order: 1) sea lamprey control, 2) passage for native species, and 3) passage for salmonids.

The 2003 Memorandum of Agreement (MOA) between the GLFC, the FWS and DNR clearly states that a "Multi-use Barrier" may be designed into a project of this type if DNR wishes to reserve the ability to use such a barrier for fisheries management purposes. The MOA further provides that such design, construction, and operational costs for purposes other than sea lamprey control will be paid for by the DNR.

As you know the DNR currently has no financial ability to provide for these costs. It is important to the DNR, however, that any future fishery management ability or needs for the Manistique system are not compromised by building only a sea lamprey barrier. We request that an estimate be provided to us that detail the cost of designing a fish passage option suitable to meet our needs for potential future management of the Manistique River system.

In particular, we are interested in a fish passage design that would allow native species, including suckers, walleye, northern pike, and potentially sturgeon as primary species of concern, to utilize the Manistique River system for their life history requirements. While we recognize that most passage designs cannot accommodate all species desired to be passed, the potential for future fish passage could facilitate additional native species recruitment that could have some level of influence on our existing Lake Michigan fish community objectives.

NATURAL RESOURCES COMMISSION

Keith J. Charters, Chair • Mary Brown • Hurley J. Coleman, Jr. • John Madigan • Timothy L. Nichols • J. R. Richardson • Frank Wheatlake

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Great Lakes, Great Times, Great Outdoors!

Ms. Jessica Barber

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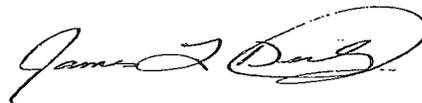
October 12, 2009

We envision that a potential passage design could be a 4-8 foot section of the barrier that includes a removable gate either for a section of the barrier, or smaller orifices sufficient to pass species of interest, and similar to designs on existing Michigan fish ladders. This design could facilitate a vertical slot ladder of varying proportions and configurations to effectively allow passage of spring native species through use of a trap and transfer mechanism, and direct passage of other species of interest during non-sea lamprey run periods.

We suggest that such a design would allow for construction of a future passage facility on either side of the barrier without having to breach the barrier to add the passage facility. Using this process, the DNR would be better positioned to take advantage of what "was" built, and be able to add a passage facility while maintaining the structural integrity of the barrier.

We look forward to signing a separate Manistique barrier MOA that describes cost sharing and other responsibilities once we know what the costs are for designing a barrier to which fish passage can be added at a later date.

Sincerely,



James L. Dexter, Jr.
Lake Michigan Basin Coordinator
269-685-6851, ext. 116

cc: Mr. Kelley Smith, DNR
Mr. Chris Goddard, GLFC Secretariat
Mr. Steven Scott, DNR
Mr. Steve Hewett, DNR
Ms. Sharon Hanshue, DNR
Ms. Jessica Mistak, DNR
Mr. Troy Zorn, DNR
Lake Michigan Basin Team, DNR



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY
STATE HISTORIC PRESERVATION OFFICE

GARY HEIDEL
EXECUTIVE DIRECTOR

January 18, 2011

KAREN KREPPS
U S ARMY CORPS OF ENGINEERS
DETROIT DISTRICT
477 MICHIGAN AVENUE
DETROIT MI 48226

RE: ER-11-96 Sea Lamprey Barrier Repair at Manistique Papers, Inc. Dam, City of Manistique, Schoolcraft County. (USACE)

Dear Ms. Krepps:

Under the authority of Section 106 of the National Historic Preservation Act of 1966, as amended, we have reviewed the above-cited undertaking at the location noted above. Based on the information provided for our review, it is the opinion of the State Historic Preservation Officer (SHPO) that no historic properties are affected within the area of potential effects of this undertaking.

The views of the public are essential to informed decision making in the Section 106 process. Federal Agency Officials or their delegated authorities must plan to involve the public in a manner that reflects the nature and complexity of the undertaking, its effects on historic properties and other provisions per 36 CFR § 800.2(d). We remind you that Federal Agency Officials or their delegated authorities are required to consult with the appropriate Indian tribe and/or Tribal Historic Preservation Officer (THPO) when the undertaking may occur on or affect any historic properties on tribal lands. In all cases, whether the project occurs on tribal lands or not, Federal Agency Officials or their delegated authorities are also required to make a reasonable and good faith effort to identify any Indian tribes or Native Hawaiian organizations that might attach religious and cultural significance to historic properties in the area of potential effects and invite them to be consulting parties per 36 CFR § 800.2(e-f).

This letter evidences USACE's compliance with 36 CFR § 800.4 "Identification of historic properties", and the fulfillment of USACE's responsibility to notify the SHPO, as a consulting party in the Section 106 process, under 36 CFR § 800.4(d)(1) "No historic properties affected".

The State Historic Preservation Office is not the office of record for this undertaking. You are therefore asked to maintain a copy of this letter with your environmental review record for this undertaking. *If the scope of work changes in any way, or if artifacts or bones are discovered, please notify this office immediately.*

If you have any questions, please contact Brian Grennell, Cultural Resource Protection Specialist, at (517) 335-2721 or by email at grennellb@michigan.gov. Please reference our project number in all communication with this office regarding this undertaking. Thank you for this opportunity to review and comment, and for your cooperation.

Sincerely,


Martha MacFarlane Faes
Deputy State Historic Preservation Officer

for Brian D. Conway
State Historic Preservation Officer

MMF:DLA:BGG:nhn





RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY
STATE HISTORIC PRESERVATION OFFICE

GARY HEIDEL
EXECUTIVE DIRECTOR

March 22, 2012

KAREN KREPPS
DETROIT DISTRICT CORPS OF ENGINEERS
PO BOX 1027
DETROIT MI 48231-1027

RE: ER11-96 2012 Sea Lamprey Barrier Repair at Manistique Papers, Inc. (MPI) Dam, City of
Manistique, Schoolcraft County (USACE)

Dear Dr. Krepps:

We have received your request for review of the above-cited undertaking at the location noted above. The information that you have sent has prompted us to ask for additional details. Please send the following information so that we may complete our review:

- What is called the Training Wall seems to be part of the paper mill complex that, located downstream, includes the flume. Please provide additional photos showing the training wall and the mill complex and flume and how the training wall relates to the rest, and also more history of the paper mill. In addition, please provide information on the original purpose of the training wall.

Please note that the Section 106 review process cannot proceed until we are able to consider the information requested above. This letter does not clear the project. If you have any questions, please contact Brian Grennell Cultural Resource Management Specialist, at (517) 335-2721 or by email at grennellb@michigan.gov. **Please reference our project number in all communication with this office regarding this undertaking.** Thank you for your cooperation.

Sincerely,

Brian G. Grennell
Cultural Resource Management Specialist

for Brian D. Conway
State Historic Preservation Officer

SAT:ROC:BGG





RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY
STATE HISTORIC PRESERVATION OFFICE

GARY HEIDEL
EXECUTIVE DIRECTOR

June 4, 2012

KAREN KREPPS
DETROIT DISTRICT CORPS OF ENGINEERS
PO BOX 1027
DETROIT MI 48231-1027

RE: ER11-96 Sea Lamprey Barrier Repair at Manistique Papers, Inc. (MPI) Dam, Section 12, T41N,
R16W, City of Manistique, Schoolcraft County (COE)

Dear Ms. Krepps:

Under the authority of Section 106 of the National Historic Preservation Act of 1966, as amended, we have reviewed the above-cited undertaking at the location noted above. Based on the information provided for our review, it is the opinion of the State Historic Preservation Officer (SHPO) that no historic properties are affected within the area of potential effects of this undertaking.

The views of the public are essential to informed decision making in the Section 106 process. Federal Agency Officials or their delegated authorities must plan to involve the public in a manner that reflects the nature and complexity of the undertaking, its effects on historic properties and other provisions per 36 CFR § 800.2(d). We remind you that Federal Agency Officials or their delegated authorities are required to consult with the appropriate Indian tribe and/or Tribal Historic Preservation Officer (THPO) when the undertaking may occur on or affect any historic properties on tribal lands. In all cases, whether the project occurs on tribal lands or not, Federal Agency Officials or their delegated authorities are also required to make a reasonable and good faith effort to identify any Indian tribes or Native Hawaiian organizations that might attach religious and cultural significance to historic properties in the area of potential effects and invite them to be consulting parties per 36 CFR § 800.2(e-f).

This letter evidences the COE's compliance with 36 CFR § 800.4 "Identification of historic properties", and the fulfillment of the COE's responsibility to notify the SHPO, as a consulting party in the Section 106 process, under 36 CFR § 800.4(d)(1) "No historic properties affected."

The State Historic Preservation Office is not the office of record for this undertaking. You are therefore asked to maintain a copy of this letter with your environmental review record for this undertaking. If the scope of work changes in any way, or if artifacts or bones are discovered, please notify this office immediately.

If you have any questions, please contact Brian Grennell, Cultural Resource Management Specialist, at (517) 335-2721 or by email at grennellb@michigan.gov. Please reference our project number in all communication with this office regarding this undertaking. Thank you for this opportunity to review and comment, and for your cooperation.

Sincerely,



Brian G. Grennell
Cultural Resource Management Specialist

for Brian D. Conway
State Historic Preservation Officer

SAT:ROC:BGG:kah



June 13, 2012

US Department of the Army
Detroit District, Corps of Engineers
477 Michigan Ave.
Detroit, MI 48226

RE: Sea Lamprey Barrier Project, Manistique, Michigan

To whom it may concern;

In response to your request for comment for the above stated notice, the Keweenaw Bay Indian Community Tribal Historic Preservation Office has found no areas of archaeological, cultural, historical, or religious interests documented at this time within the Area of Potential Effect.

If the scope of the work changes in any way, or if artifacts or human remains are discovered, please notify the KBIC THPO immediately so we can assist in making an appropriate determination.

Thank You,



Christopher J. Chosa
KBIC THPO/NAGPRA Director
16429 Beartown Rd.
Baraga, MI 49908
(906) 353-6623 ext. 4272
cchosa@kbic-nsn.gov



United States Department of the Interior

FISH AND WILDLIFE SERVICE
East Lansing Field Office (ES)
2651 Coolidge Road, Suite 101
East Lansing, Michigan 48823-6316

IN REPLY REFER TO:

February 14, 2011

Ms. Pam Horner, Acting Chief
Environmental Analysis Branch
U.S. Army Corps of Engineers
Detroit District
Box 1027
Detroit, Michigan 48231-1027

RE: Proposed Sea Lamprey Barrier within the Manistique River, Schoolcraft County,
Michigan

Dear Ms. Horner:

We are responding to your January 6, 2011 coordination letter on the proposed construction of a barrier on the Manistique River in Schoolcraft County, Michigan. The purpose of this barrier is to block the movement of sea lamprey and prevent them from spawning upstream. We have prepared this letter under the authority of the Fish and Wildlife Coordination Act (16 U.S.C. 661 et seq.) and the Endangered Species Act of 1973, as amended (ESA).

An existing deteriorated barrier, the Manistique Papers, Inc. dam, is present at the project site and will be retrofitted to prevent upstream sea lamprey movement. Three alternatives are being considered by your agency: 1) construction of a cantilevered steel sheet pile wall; 2) construction of a post and panel wall on the existing dam sill; and 3) no federal action.

Endangered Species Act Comments

Your January letter indicated that you have reviewed our on-line endangered species database and found that the following threatened or endangered species occur in Schoolcraft County: Canada lynx, dwarf lake iris, gray wolf, Houghton's goldenrod, Kirtland's warbler, Pitcher's thistle, and piping plover. You have determined that habitat for these species does not exist in the action area, and therefore concluded that the project would not affect these species. We agree that these species should not be affected by the proposed project. This precludes the need for further action on this project as required by the ESA. However, if the project is modified or new information about the project

becomes available that indicates listed species or critical habitat may be affected, you should reinitiate consultation with this office.

Fish and Wildlife Coordination Act Comments

The proposed barrier will not only block sea lamprey, but will also block the movement of other aquatic organisms. Since most organisms are blocked from upstream and downstream movement by the current dam, the construction of the sea lamprey barrier may provide an opportunity to incorporate fish passage at this location. The potential benefits and risks of incorporating fish passage at the proposed barrier are issues that have been discussed by the U.S. Fish and Wildlife Service (Service), Michigan Department of Natural Resources and Environment, and others over the last several years. To help resolve this issue and allow for barrier construction, the Marquette Biological Station, Green Bay Fish and Wildlife Conservation Office, Seney National Wildlife Refuge, and East Lansing Field Office developed an agency wide position regarding fish passage at this location. The Service's position paper is attached here for your reference.

There are three primary concerns highlighted in our paper. First, the Service does not support passage of non-native species due to potential interactions with native species at Seney National Wildlife Refuge and the supporting watershed. Second, the Service supports passage of native species if supported by an analysis of the risks and benefits associated with passing native species. Finally, the Service supports a barrier design that accommodates future construction of a fish passage facility. As part of the Environmental Assessment, we recommend you describe if or how each alternative will prevent non-native fish passage, allow native fish passage, and accommodate future construction of a fish passage facility.

We appreciate the opportunity to cooperate with the Army Corps of Engineers in conserving fish and wildlife resources. If you have any questions regarding these comments, please contact Christie Deloria of our U.P. sub-office at (906) 226-1240.

Sincerely,



Scott Hicks
Field Supervisor

Cc:

Mark Holey, Green Bay Fish and Wildlife Conservation Office
Katherine Mullet, Marquette Biological Station
Mark Vaniman, Seney National Wildlife Refuge



U.S. Fish and Wildlife Service – Midwest Region Sea Lamprey Management Program

The Mission of the U.S. Fish & Wildlife Service is working with others to conserve, protect and enhance fish, wildlife, and plants and their habitats for the continuing benefit of the American people.

Manistique River Sea Lamprey Barrier Fish Passage

ISSUE:

The U.S. Fish and Wildlife Service (Service) is rebuilding a defacto sea lamprey barrier that is no longer effectively blocking spawning-phase sea lampreys due to deterioration of the structure. Fish passage is being considered during the design phase of the new barrier.

POSITION:

The Service position on fish passage at the new Manistique River sea lamprey barrier is as follows:

- 1) The Service does not support the passage of non-native species due to interactions with native species in the Seney National Wildlife Refuge and the supporting watershed.
- 2) The Service supports the passage of native species if or when a risk analysis or structured decision process supports passing native species. The analysis should consider and weigh the potential benefits of passing native species and the potential risks related to invasive species, disease, and contaminants.
- 3) The Service supports a barrier design that accommodates future construction of a fish passage facility. Fish passage design should protect the upper river from invasive species, disease, and contaminants.

The Service position is supported by correspondence from the Michigan Department of Natural Resources and Environment (MDNRE) dated October 12, 2009. The MDNRE has requested that the Service consider a barrier design that would accommodate construction of a future fish passage facility. The MDNRE is interested in a fish passage design that would allow native fish species including suckers, walleye, northern pike, and potentially sturgeon as primary species of concern to utilize the Manistique River system for their life history requirements.

The Marquette Biological Station will continue to lead the barrier construction effort and engage with staff from the Service's Green Bay Fish and Wildlife Conservation Office, Seney National Wildlife Refuge, and Upper Peninsula Sub-Office when necessary. Prior to pursuing fish passage at this location, the Service offices will engage in and facilitate development of a risk assessment or structured decision process with MDNRE.

CONTACT:

Jessica Barber, Fish Biologist, Marquette Biological Station, (906) 226-1241.

Rob Elliott, Fish Biologist, Green Bay Fish and Wildlife Conservation Office, (920) 866-1762.

Mark Vaniman, Refuge Manager, Seney National Wildlife Refuge, (906) 586-9851.

Christie Deloria, Fish and Wildlife Biologist, Upper Peninsula Sub-Office, (906) 226-1240.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



KEITH CREAGH
DIRECTOR

February 9, 2016

Lt. Col. Michael L. Sellers
Detroit District Commander
United States Army Corps of Engineers
477 Michigan Avenue
Detroit, Michigan 48226

Dear Lt. Col. Sellers:

SUBJECT: Manistique Sea Lamprey Barrier Project

I am writing this letter in response to an inquiry from your staff regarding the status of the Michigan Department of Natural Resources' (MDNR) permit application for the construction of a sea lamprey barrier on the Manistique River in Manistique, Michigan.

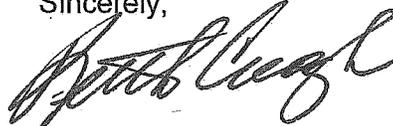
The Michigan Department of Environmental Quality (MDEQ) has been engaged in the review of the joint permit application (MDEQ File No. 15-77-0008-P) since April 28, 2015. Extensive coordination has taken place with personnel from the MDNR and other agencies partnering in the project, including the Great Lakes Fishery Commission, United States Fish and Wildlife Service (USFWS), and United States Army Corps of Engineers. We understand the importance of this project to sea lamprey control efforts in the region and agree that the project is vital to reducing the harmful impact of the invasive sea lamprey on the Great Lakes ecosystem, would aid in restoration of the fishery, and would increase recreational opportunities in the Great Lakes Region.

We have made significant progress in resolving questions associated with this application; however, we are not yet ready to initiate the public review phase of the permit process. We are committed to working with the MDNR to resolve the remaining open issues, including wetland impacts, changes in flood elevations, and site ownership so that we can move forward with the public review process. The MDNR also understands that we will require final stamped drawings before we can issue a permit. The MDEQ is confident that a permit for the barrier project can be granted once the aforementioned issues, and any pertinent issues brought to light during the public notice process, are resolved.

Lt. Col. Michael L. Sellers
Page 2
February 9, 2016

If you have any questions, please contact Ms. Ginny Pennala, Supervisor, Upper Peninsula District Office – Water Quality Unit, Water Resources Division, at 906-250-6176; pennalav@michigan.gov; or MDEQ, 1504 West Washington Street, Marquette, Michigan 49855; or you may contact me.

Sincerely,



Keith Creagh
Director
517-284-6700

cc: Ms. Jessica Barber, USFWS
Dr. William Moritz, Director, MDNR
Ms. Jessica Mistak, MDNR
Mr. Jim Sygo, Chief Deputy Director, MDEQ
Ms. Kim Fish, MDEQ
Ms. Ginny Pennala, MDEQ



RICK SNYDER
GOVERNOR

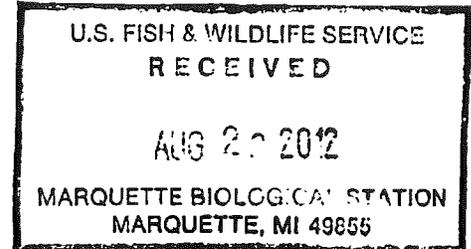
STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
LANSING



KEITH CREAGH
DIRECTOR

August 10, 2012

Dr. Chris Goddard
Great Lakes Fishery Commission
2100 Commonwealth Boulevard, Suite 100
Ann Arbor, Michigan 48105-1563



Dear Dr. Goddard:

First, let me thank you once again for taking the time to come to Lansing with the Great Lakes Fishery Commission (GLFC), United States Fish and Wildlife Service (USFWS) and the United States Army Corps of Engineers (USACE) staff to discuss the proposed Manistique Dam Sea Lamprey Barrier. The Michigan Department of Natural Resources (DNR), as partners with the GLFC, USFWS and USACE, continues to fully support your mission to control invasive sea lamprey in the Great Lakes. Without these control efforts the Great Lakes sport fisheries would be severely compromised and result in serious economic consequences to our lakeshore communities and Michigan's quality of life for its citizens.

We have reviewed information regarding a Recognized Environmental Condition (REC) located near the project property in the Manistique Industrial Park. I have discussed the significance of the REC in relation to the proposed dam structure and understand that the contaminated area likely does not extend into the project area. We further understand that additional soil borings will be taken at the project location that will inform us as to any potential future concerns.

This single project has great ramifications for future control of sea lamprey, not just in Lake Michigan but for the Great Lakes basin. We view the project as a win-win, both for Great Lakes fishery management, and also for the current property owners, the City of Manistique, and its citizens. Because the latest USACE analysis of the dam and the west wall has determined that both are project components and covered under the 2003 Memorandum of Agreement, the DNR is willing and able to receive ownership of the barrier and associated structures.

We look forward to our future involvement with this important project.

Sincerely,

Keith Creagh
Director
517-373-2329

cc: Mr. Dale Burkett, GLFC
Mr. Michael Twohey, USFWS
Mr. Scott Thieme, USACE
Dr. William E. Moritz, Natural Resources Deputy, DNR
Mr. Jim Dexter, DNR