



2. Meg- An alternative transportation subcommittee was formed recently- SD is on it. Can SD make sure CLR information is compatible with byway planning efforts since he is on the committee?
3. Copper Heritage Trail (Chassel to Houghton then up to Mohawk)
4. WUPPDR grant opportunities – Patty O'Donnell – NW region, RTCA is helping them.
5. Steve DeLong questioned if the implementation of the Sixth Street Extension represented the community's giving up on mining as a viable economic base.
6. SD - Armory Street has been changed from an earlier alignment in which it was almost parallel to Scott Street.
7. SD – consider providing recommendations for revisions to sidewalk at Coppertown yard and other features around the building. BWV to touch base with Dick Dana regarding this.
8. Lori Hauswirth, also with WUPPDR, and a key representative for the Keweenaw Trails Alliance and the Copper Country Trail Byway was originally scheduled to attend this meeting along with Meg. Lori had another work commitment arise at the last minute, and was not able to attend. Steve DeLong offered to meet with Lori and provide her feedback to Brenda to incorporate into the project.
9. According to Steve DeLong, Barbara Nelson-Jameson (of RTCA office located in Empire, Michigan) has been involved in planning for trails in the region. CLR should reference the need to coordinate with RTCA and other trails organizations as routes are developed within the Calumet Unit.
10. SD – do not address landscape in detail, but provide some limited guidance such as rehabilitate vs. restore and the affect of the period of significance on the landscape. What is the POS for component landscapes? For each character area, stipulate the pos if a restoration approach will be applied.
11. SD – what to do about street trees along Calumet Avenue vs. one cedar at the corner of the HQ building. BWV- the 4 canopy trees on NPS property should never be considered without the context of the entire Calumet Avenue corridor. This is not one of the main focus areas of the report, but the report can have general management guidelines that provide direction. For instance: Historic corridors lined by canopy trees should be preserved. Evaluate and maintain historic canopy trees as recommended by a licensed arborist. Replace dead or dying canopy trees with species of similar form, and growth characteristics that are hardy and recommended by a licensed arborist.
12. SD would like the CLR to provide more guidance to address questions regarding specific vegetation in the Calumet Unit.
 - a. What should happen with the Cedars at the Union Building?
 - b. What should happen with the hedge on the south border of the Keweenaw Heritage Center property?
 - c. What should happen with the large Cedar at the corner of the NPS headquarters building?
 - d. Need drop off and accessible parking for Visitor Center.

Thursday, December 8th, 4:00-7:00pm, Public Open House

Attendees:

1. Laura Miller, Calumet Theatre Executive Director, laura@calumettheatre.com
2. Art Limback, Calumet Theatre Chairman, Bersa1234@hotmail.com
3. Chris Green, resident, cagreen@charter.net
4. Phyllis Ramos, resident, pramos_1@hotmail.com
5. Dave Geisler, Village Trustee, vooper2b@hotmail.com
6. Paul Lehto, Calumet Township Supervisor, calumettownship@pasty.net
7. Judy Albee
8. Steve Albee, Commissioner, salbee@up.net
9. Rick Oikarinen, resident, info@crosscountrysports.com
10. Lorri Oikarinen, resident, info@crosscountrysports.com
11. Mike Ramos, resident
12. Steve DeLong, KNHP Landscape Architect, steve_delong@nps.gov
13. Brenda Williams, Quinn Evans Architects, bwilliams@quinnevens.com

Public Open House Notes:

1. Why isn't Swedetown in the park boundary?
2. Is Sacred Heart Church in the park boundary?
3. ATV/walk/bike trail relations issues:

1
2 **Figure C- 22: Notes from Stakeholder and Public Meetings, December 2011, page 14 of 17**
3



- a. ATV track is very dusty – affects nearby residents and businesses, and would affect pedestrians and bikers on adjacent trails. Consider paving the ATV trail. One attendee indicated that in Hancock there is a combined trail that has lots of problems due to user conflicts, but at my meeting with her, Meg Pachmeyer mentioned this trail as being very successful.
 - b. Two related participants that identified themselves as snowmobile enthusiasts offered their opinion that snowmobilers and cross-country skiers are not compatible trail use groups. They do not believe they should share the same recreation corridor. Others present were open to possibilities offered through design solutions that separate traffic to provide safe travel routes.
 - c. Michigan ATV/snowmobile trails are the “last frontier” for adrenaline freaks because they don’t have any speed limits. Wisconsin has speed limits, so thrill seekers come north. Adding speed limits would reduce this business.
 - d. ATV group may put oil on the track during high-dust times.
 - e. Keweenaw ATV trail group – good contact people are Don Kauppi and Mike McMann.
 - f. Some think that unpaved trails for walkers are better to keep ATV-ers off the walking trails, others disagree. ATV manufacturers recommend caution when operating ATVs on paved surfaces due to the possibility of compromised vehicle control. This suggests paved trail sections be minimized and speed limits posted to encourage safe travel through the Calumet Unit. Non-motorized users will benefit from access to paved routes, as will adjacent residences and business owners.
 - g. Wisconsin has strict rules for ATV use that are enforced—many of the issues brought up may need to be addressed by laws and enforcement. Speed limits on trails and who uses which routes needs to be addressed.
 - h. Crossing streets with trails – old people will drive on the trails – need barriers at intersections with streets (this is standard).
 - i. Keep ATVs out of it – non-motorized trails is better, but SD asked if that excludes motorized wheelchairs, scooters, or golf carts?
 - j. MI-TRALE (Michigan Trails and Recreation Alliance of Land and the Environment) is a group that is trying to link everything west of Marquette and coordinate ATV/snowmobile trails in UP with Wisconsin. They are advocating for speed limits on all trails. They have published a map of trails in the UP that is available for sale. Their web site is: www.mi-trale.org
 - k. Mark Norton of Copper Island Printing grooms the trails at Swedetown he or Steve DeLong are good contacts regarding potential development of cross-country trail links from the Village to Swedetown. Steve indicated that trail links can be groomed but they present several challenges: low use, dirty snow and excessive wear and tear on grooming equipment at road crossings. Nordic skiers may find it inconvenient to ski one block, remove skis to cross a road, then get back on skis to ski another block on dirty snow condition present in an urban environment. Establishing a trailhead at the edge of town, for example, near the depot, may resolve this issue while presenting use conflicts with snowmobiles.
 - l. Snowmobiles sometimes get on the cross country ski trails and make them unusable for skiers.
 - m. Cross-country trail in Chassell crosses snowmobile trail – does it work well?
4. The ATT building is outdated.
 5. The new signs are great.
 6. The advisory commission needs to work on a use plan for the historic industrial district
 7. Would like to see the C&H mineral collection on display in Warehouse #1. If NPS made this request, the Seaman Mineral Museum might consider it more seriously.
 8. SW on Red Jacket Road – could happen with some funding if project statements are ready when odd funding source emerges. The SHPO review of the CLR helps to support the project statements for state/federal funding.
 9. Consider seeking corporate funding sources for specific projects. (would a corporation be interested in funding a display at the Osceola Mine Hoist?).
 10. The Village HDC is creating a database of all structures in the historic district including information about their risk level, potential for rehabilitation, etc...
 11. Osceola No. 17 was filled recently.
 12. During the open house, a handout with information about the project and questions related to possible treatments was provided. Five individuals provided written

1
2 **Figure C- 23: Notes from Stakeholder and Public Meetings, December 2011, page 15 of 17**
3

7 March 2012
Page 16 of 17

responses to the questions. The questions and responses are included at the end of this memorandum.

Saturday, December 10th, 11:00am, Calumet Housing Commission Stakeholder Meeting

Attendees:

1. Gail Perala, Executive Director, Calumet Housing, calhouse@chartermi.net
2. James Newman (Jimmy), Maintenance Director, Calumet Housing
3. Tim Gasperich, Board of Directors, Calumet Housing, tpgasper@mtu.edu
4. Sue Dana, Comptroller, Village of Calumet, villageofcalumet@pastv.com
5. Brenda Williams, Quinn Evans Architects, bwilliams@quinnevans.com



Calumet Housing Commission Stakeholder Meeting Notes:

1. What long term plans are in place related to the facilities the Calumet Housing Commission manages?
 - a. There is not a concrete long term plan for the facility. They address issues as they arise.
 - b. Jimmy noted that the high rise is in good shape, but the townhouses were not built as solidly and they need steady maintenance. At some point the maintenance needs will become a burden as these buildings reach the end of their lifespan.
2. Are the current facilities adequate (quantity and condition)?
 - a. The complex includes 98 apartments. This is 50 units in the high rise building.
 - b. Units include:
 - i. 68 – 1 bedroom
 - ii. 4 – 4 bedroom
 - iii. 10 – 3 bedroom
 - iv. 16 – 2 bedroom
 - v. 4 of the units are handicap accessible
 - vi. There are 46 children under the age of 18 living at the facility.
 - c. HUD wants 97% or higher occupancy rate.
 - d. The occupancy rate of the senior/elderly housing is high and they typically have a waiting list. This housing is generally reserved for people aged 62 and above, or people with disabilities.
 - e. The rent structure is based on income. The residents must qualify as "low income" and their rent is roughly 1/3 of their income. Some residents have negative rents (they receive credits to pay their utility bills).
 - f. 40% of residents must qualify as "extremely low income"
 - g. The facility receives monthly supplements from HUD to cover costs.
 - h. As long as HUD is paying the supplements, their requirements apply.
 - i. The townhouses were built when the community needed more senior housing. HUD required that family units had to be added in order to provide funding for more senior facilities.
 - j. There is a large need in the community for assistance for residences for people who are just slightly above low income. This is a gap that is not adequately being addressed.
 - k. Family housing here is supposed to be stop-gap to help people get back on their feet. It is not meant to be permanent, although some residents have a hard time getting to the point where they can move out. Most senior residents are here to stay.
3. Are there landscape issues related to the current facilities that should be considered by the CLR?
 - a. If the Agassiz statue was returned to the park would the park paths be maintained / open in the winter? If so, who would keep them clear?
 - b. Housing commission paid for new fence at path between park and school – it cost \$10,000.
 - c. The gardens behind (east) the apartment building are for residents to plant whatever they please. Residents sign up for plots. A school program involved school kids visiting with residents and talking about their current and previous gardening activities.
 - d. Consider an option that puts the Agassiz statue back in the park, but on the west side of Park Avenue (the paths would not terminate on the statue, but this would not require any changes to the housing or road).
4. How will the loss of the grocery store affect the Park Avenue residents?

Figure C- 24: Notes from Stakeholder and Public Meetings, December 2011, page 16 of 17

1
2
3

7 March 2012
Page 17 of 17



- a. This will be a big inconvenience for the residents at Park Avenue, since most of them get their groceries from the store at the corner of the park.
5. How would the commission feel about eventually having affordable housing complexes integrated into the Village residential and mixed use areas?
 - a. Hancock housing commission sold their facility and used the money for another project- this was approved by HUD.
 - b. Morrison School might work for apartments (the current owner is working on a project to do financially assisted senior housing, but details/schedule is unclear)
 - c. The children in the complex use the park to play. If facilities were moved, where would the children play? The idea is to mix the facilities into the community, so that some would be in single-family houses (with yards). Those in apartments would need to be addressed on an individual basis (Is the apartment close to a park/playground? Is there a nearby area that could be used for this purpose? Can the facility provide a yard for children?)
 - d. Having the entire facility in one location is convenient for management and residents. Maintenance is easy to access, and residents can walk to the office to pay rent or ask for assistance without ever leaving the building. Some of the elderly residents are not able to easily leave the building- especially in the winter. Having multiple facilities throughout the community would make this more complicated, but could be efficient with careful planning. At Lake Linden, the assisted housing units are spread out in the community and they have been very successful. People want to live in the units and do well in them. (Gayle has a friend who works for the Lake Linden housing authority who has told her this. They might be able to share some insight regarding the positives and negatives of this type of facility compared to condensed facilities.) Other positives of the condensed facility include security, sense of community, and ease of communication (many residents do not have phones).
 - e. Having an elevator is very important for some of the less mobile elderly residents. It is a must for any senior housing (even if not required).
 - f. Jimmy and Gayle both think that Alternative B seems more realistic. They think that it is possible to relocate residential use from the townhouses to units in the Village (historic residential rehabilitations and/or infill @ vacant properties with duplexes or other appropriate scale structures).
 - g. Given the right situation, it could work to have the senior housing in a complex (or combination of two complexes) that utilize historic buildings in combination with new buildings to provide facilities that are condensed that also fit into the scale of the historic community. This would need to be a long-term plan that carefully considers the transition from one facility to the other (some of the elderly residents would find it very difficult emotionally to move).

END OF MEMORANDUM

1
2 **Figure C- 25: Notes from Stakeholder and Public Meetings, December 2011, page 17 of 17**
3
4

8 December 2011

MEMORANDUM

From: BRENDA W. WILLIAMS, ASLA

To: MEETING ATTENDEES

RE: **CALUMET UNIT CLR / EA
KEWEENAW NATIONAL HISTORICAL PARK
GOVT: C6000090201
PN 21000069**

Subject: Calumet CLR/EA Public Open House



1037 SHERMAN AVENUE
MADISON, WI 53703
608 260 8020

WASHINGTON, DC
ANN ARBOR, MI
DETROIT, MI
MADISON, WI

WWW.QUINNEVANS.COM

WELCOME !

Thank you for taking time to join us in considering the history and future of the cultural landscapes in Calumet. We look forward to hearing your ideas and suggestions to help make sure this report provides information that is appropriate and meaningful to the community.

Project team members are here to listen and capture your comments—we are wearing name tags so you know who we are. Please follow the labels on the walls to look at materials related to the report. Project team members are available to explain the materials as you consider them.

We would like to know what you think about the preliminary ideas we have displayed, AND we would like to hear about ideas and concerns that you have for the landscapes in Calumet.

As you move through the room, consider the questions and share your thoughts on this sheet.

1. Project Area:

The Cultural Landscape Report addresses the landscape within the Calumet Unit of Keweenaw National Historical Park.

2. Landscape Character Areas:

Places containing similar physical characteristics, qualities, attributes (such as landforms, vegetation and topography) and the associated cultural resources present.

The landscape character areas identified for the Calumet Unit are illustrated on the plan.

3. Landscape History:

Historical research was conducted to develop an understanding of the development of the physical landscape in the project area. The period of landscape change plans displayed help to illustrate important patterns of development and provide a basis for evaluation.

1
2 **Figure C- 26: Public Workshop Handout with responses, page 1 of 8**
3

29 December 2011
Page 2 of 8



4. Village of Calumet:

The Village of Calumet includes historic residential neighborhoods, the Italian Hall Site, Agassiz Park, and the Calumet Downtown Historic District.

Questions:

- a. **Are you concerned about the conditions or appearance of any specific landscapes in the Village of Calumet?**
- b. **Are there landscape treatment ideas that you would like to see implemented?**

RESPONSES:

R1 –

- a. *Yes – the big deteriorating brick building just north of the old beadazed.*
- b. *Restore Agassiz Park with neat paths. Brenda outlined some good ideas.*
- c. *Large proposed area (AT&T building and Township offices removed) – grass and trees coexist with industrial displays. The paved walkway could be plenty wide to hold the displays.*

R2 –

- a. *Several vacant buildings in disrepair.*

R4 –

#1 Concern: Deterioration of the residential sectors. No incentive to retain historic fabric. Find some way to engage the residential homeowners. At this point, there is no encouragement to partner with KNHP. Why should this sector remain in the park if we are not in their plan? Most viable economic plan for resident:

- 1. *Tear down unoccupied deteriorating home in neighborhood*
- 2. *Establish RV parking*
- 3. *Put up billboard on US4: Park your RV in KNHP, no sticker required, walk to visitor's center, theater, Agassiz Park, grocery store and churches*

How do you stop this plan?

R5 –

- a. *Historic facades*
- b. *Christmas or holiday lighting*

1
2 **Figure C- 27: Public Workshop Handout with responses, page 2 of 8**
3

29 December 2011
Page 3 of 8

5. Osceola #13:

The Osceola #13 site is owned by Calumet Township and is the last shaft house remaining in the Calumet unit. Treatment ideas include providing public access to the site, an interpretive facility in the shaft house, and opportunities for the public to explore the rock piles.

Questions:

- a. Do you think it is a good idea to use the Osceola #13 site as an interpretive site?
- b. Do you have other ideas for the treatment of this site?



RESPONSES:

R1 –

- a. *Yes, because it the only shaft house standing.*
- b. *It'd be great if people could go into the shaft house and in here see how the machinery operated – to descend into the earth.*

R2 –

- a. *Yes*

R4 –

- a. *Yes*
- b. *No*

R5 –

- a. *Yes*
- b. *Access to upper floors of shaft house*
- c. *Display existing mine hoists, skips, tram cars, etc...*
- d. *Grown in area east of the engine house could be developed for recreational use.*

1
2 **Figure C- 28: Public Workshop Handout with responses, page 3 of 8**
3

29 December 2011
Page 4 of 8

6. Railroad / Recreational Corridor

An existing ATV/Snowmobile trail extends along the western edge of the Calumet Unit. Treatment ideas include adding bike and walking trails along Mine Street, and providing bike/walking links to the north to Calumet Lake, around Calumet Lake, and linking around the western edge of the Village. The emphasis is on adding more opportunities for trails with a loop around the project area and connections to key features within the community.

Questions:

- a. **Do you think it is a good idea to add pedestrian and bike trails in Calumet? Are there areas that you would or would not like to see this happen?**



RESPONSES:

R1 –

Yes. Maybe not through town. It'd be great if bike trails could even circle Calumet Dam.

R2 –

Yes.

ATV / snowmobile trail next to paved bike/ped route may create problems similar to Hancock trails – where motor vehicles use paved route. Need speed limit enforcement. Barriers may be necessary to prevent road vehicles and dust from trails too close to pedestrian trail.

R3 –

Blacktop bike trails and pedestrian trails, you will have problem with ATV in summer and snowmobile in winter. Runners, cross country skiers don't get along. Who is going to police these trails?

R4 –

Extremely important.

R5 –

Railroad Depot must change current ownership – so monies for stabilization can be found.

1
2 **Figure C- 29: Public Workshop Handout with responses, page 4 of 8**

29 December 2011
Page 5 of 8

7. South Mine Street Corridor

Mine Street is an important corridor that relates to the historic mining activities in Calumet. There are many historic buildings along this corridor, and it provides a link from the heart of Calumet to the Osceola #13 site. Ideas include establishing an interpretive non-motorized walking/bike trail along the south portion of Mine Street and preserving the historic resources along the route.



Questions:

- a. **Do you think it is a good idea to convert the southern portion of Mine Street to an interpretive pedestrian and bike trail? Do you think that trail links to other parts of the community would be a good idea?**

RESPONSES:

R1 –

Oh Yes! Both the trails and the links. We like the idea of a row of tall structures like the industrial ones, holding insets of information.

R2 –

Yes. On Sixth Street Extension – because of business area – landscape enhancements should not block signage for people unfamiliar with Calumet area.

R3 –

Yes. However, your bike and hiking trails must be narrow enough so ATV and snowmobiles can't have access to those.

R4 –

Most definitely yes.

R5 –

- a. Yes

1
2 **Figure C- 30: Public Workshop Handout with responses, page 5 of 8**
3

29 December 2011
Page 6 of 8



8. Red Jacket Road Corridor

Red Jacket Road has been an important transportation corridor and symbolic connection between the industrial and commercial/residential activities in Calumet since it's earliest establishment. Today it is an important community circulation corridor and an area with several public interpretive facilities. It is a place where the landscape could be changed slightly to make the historic aspects of copper mining more easy to understand. Alternatives B and C show some ideas of changes that could help to do this.

Questions:

- a. **Do you think it is a good idea to add landscape features (like fences and other historic elements) to the Red Jacket Road corridor that will help to make the historic mining character more visible (please refer to the illustrations on the wall)? Are there changes in the alternatives that you think are good or bad ideas? Please explain. Do you have other ideas for this area? Please explain.**

RESPONSES:

R1 –

I like how the fences would look, but winter snow plowing would create a lot of damage to the fences. The fences would create a lot of interference to plow drivers. A picket fence on a busy corner like Red Jacket Road / Calumet Avenue would be especially troublesome.

R2 – Do you think it is a good idea to add landscape features (like fences and other historic elements) to the Red Jacket Road corridor that will help to make the historic mining character more visible (please refer to the illustrations on the wall)? - OK

R3 – Yes!

R4 – No preference about development in this sector.

R5 –

1. *National Park Service should approach Michigan Tech Seamen Mineral Museum to develop plans to display the C&H Mineral Collection in the No. 1 Warehouse building. The Advisory Commission could help fund improvements to the north 60 feet of the building.*
2. *A representation of the conglomerate and amygdaloid veins should be interpreted in the mineral museum located in the No. 1 Warehouse.*

1
2 **Figure C- 31: Public Workshop Handout with responses, page 6 of 8**
3

29 December 2011
Page 7 of 8



9. Agassiz Park

The Agassiz Park site has been an important public open space in Calumet since the earliest days of the community. The park was designed in 1920 by a landscape architect from Boston, Warren Manning, who provided for extensive active recreation and a system of formal, tree-lined paths connecting the park's memorial to Alexander Agassiz to the streets of downtown Calumet. The park has been heavily impacted by development over the last several decades. Ideas for rehabilitating the park include re-capturing community open space and re-establishing the Agassiz memorial statue back into the park. This idea involves relocating residential use from the park into other buildings in the Village of Calumet. Other ideas include adding street trees along Fourth Street.

Questions:

- b. **Would you like to see Agassiz Park rehabilitated to include the Agassiz memorial, more active recreational space, and a stronger representation of the historic design? What types recreational activities would you like to have added to the park? What changes would you like or dislike to see related to Agassiz Park?**

RESPONSES:

R1 –

1. *Some well-placed and well-managed gardens. The ongoing maintenance of the gardens should be a provision.*
2. *We have no opinion on bringing back the statue.*
3. *Fourth Street – Rework Fourth Street to become more attractive, but keep functionality. Enormous snow must be removed and large trucks must deliver goods to businesses.*

R2 –

To remove residential housing is extreme! The concept to enhance the Agassiz Memorial with a park-like setting (gardens and walking paths) and leaving open spaces for community events should be sufficient. Buildings in this area could last 100 years and add a tax basis for Calumet.

R3 –

I think it is wrong to relocate people any time unless it is for safety or medical reasons.

R4 –

Yes, improve the park.

1
2 **Figure C- 32: Public Workshop Handout with responses, page 7 of 8**
3

29 December 2011
Page 8 of 8

#1, replace/recondition – do something to improve the basic ground cover, i.e., re-sod. Make the basic surface appealing to picnickers and playing children.

R5–
Added to park? Public band shell, grassy picnic areas, move statue of Agassiz back to the park, walkway lighting.



Optional: please provide your name and relationship/interest to the Calumet Unit:

Are you willing to provide your email address or phone number so that we can contact you if we have questions?

Name: _____ Contact information: _____

Please use this space for any additional comments or suggestions:

RESPONSES:

R1 – My interest is as a citizen who has lived here a long time. I'm an artist. Aesthetics interest and delight me.

R4 – Verify park boundary. Is it M203 or does it include homes on north side of road?

- R5–
1. Calumet Lake area – an interpretive sign, rebuild walkway to North Waterworks, develop uses for boiler house building.
 2. Funding for restoration.
 3. Building uses –
 - a. indoor pavilion- toilets, etc.
 - b. Upper Peninsula Museum of Natural History
 4. Drill Shop – restoration funds???

Thank you for your help with this project.

1
2 **Figure C- 33: Public Workshop Handout with responses, page 8 of 8**
3
4

1



Memo

To: U.S. Fish and Wildlife Service
Region 3

From: Joe Di Misa
Environmental Planner

Date: January 25, 2011

Subject: Keweenaw National Historic Park
Calumet Unit
Endangered Species Coordination

Dear USFWS Midwest Region:

On behalf of the National Park Service, we are requesting concurrence from the U.S. Fish and Wildlife Service on our effect determinations for federally-listed species regarding the improvements in the Calumet Unit of Keweenaw National Historic Park. The proposed project is located in Houghton County, Michigan (see attached exhibit). On January 25, 2011, we reviewed your agency's Section 7 Consultation website for a list of species and critical habitat that may be present in the county. Canada lynx (*Lynx Canadensis*), gray wolf (*Canis lupus*), pitcher's thistle (*Cirsium pitcheri*), and Eastern prairie fringed orchid (*Plantathera leucophaea*) were listed.

The proposed project involves enhancing the visitor experience to the park by installing interpretive signage and taking measures to preserve the historic structures within the unit. Ground disturbing construction activities are not proposed and the project area is entirely urban. Because the project area is entirely urban and habitat for the listed species is not present, we believe that the project will have *no effect* on the Canada lynx, pitcher's thistle, or Eastern prairie fringed orchid.

For the gray wolf, we believe that the project is *not likely to adversely affect* this species. Wolves may be disturbed from noise during the project implementation, but the disturbances will be temporary and wolves will likely avoid the area during the project implementation activities. Only a small area of land will be impacted when compared with the total area available for wolf foraging and breeding activities in the Upper Peninsula of Michigan. Further, wolf prey availability and populations are unlikely to be affected by the project.

We request your concurrence with our determinations. If you have any questions on this request, feel free to contact me at (937) 531-1224 or by email at joe.dimisa@woolpert.com. Thank you.

WOOLPERT
4454 IDEA CENTER BOULEVARD | DAYTON, OH 45430-1500
937.461.5660 | WOOLPERT.COM

2
3
4
5

Figure C- 34: Letter to U. S. Fish and Wildlife Service, 25 January 2011