

CONFIDENTIAL

Stribley, Sara

Subject: Keystone ENSR - Meeting with IDNR
Location: Springfield, IL

Start: Tue 2/6/2007 8:00 AM
End: Tue 2/6/2007 10:00 AM

Recurrence: (none)

Meeting Status: Meeting organizer

Required Attendees: Stribley, Sara; RICK PIETRUSZKA
Optional Attendees: Giere, Molly

Hi Rick,
ENSR would like to meet with you in early February to review the biological surveys that are planned for the Keystone Pipeline Project in 2007 and 2008 in Illinois. Would the following meeting date and time work for you?

Date: Tuesday, February 6, 2007
Time: 8:00 - 10:00 am
Location: Springfield, IL - IDNR Office

ENSR is planning on sending you a package by next week containing all of the information regarding the upcoming biological surveys for the Project. We are hoping to use the information contained in this package as the template for discussions at the February meeting. Please feel free to invite other IDNR representatives if needed. Please let me know at your earliest convenience if you would or would not be able to attend this meeting, or if we should be coordinating with an alternative IDNR or INHP representative!

Thanks and Happy New Year,
Sara

Sara Stribley
ENSR | AECOM
1601 Prospect Parkway
Fort Collins, Colorado 80525
970-493-8878 ext 168
sstribley@ensr.aecom.com

Stribley, Sara

From: Mike Ward [mpward@uiuc.edu]
Sent: Wednesday, December 20, 2006 7:26 AM
To: Stribley, Sara
Subject: Re: FW: Keystone Pipeline Project - Bird Surveys

Sounds good, I looked at the map one more time and the most "important" area in my opinion is the Carlyle Lake WMA. Therefore, efforts should be undertaken to mitigate any potential disturbance to the site. I was not exactly sure where the pipeline was going but it may be better to go through lake/wetlands rather than forest, just because wetlands (in my opinion) are easier to restore and the bird community is less edge and area sensitive.

Good Luck
Mike

At 10:13 AM 12/19/2006, you wrote:

>Hi Mike,

>Thanks for your input, I really appreciate it! I have looked over your
>comments and suggestions and based off of the information you have
>provided, we are putting forth the following survey proposals:

>

>Bald Eagle - we plan on conducting aerial surveys for winter roosts and
>nests in 2007 along the Mississippi River. Additional raptor surveys
>will be conducted in 2007 along the entire project route.

>

>Barn Owls: 2008 pre-construction surveys will be conducted at grasslands
>or barns, and at Carlyle Lake WMA within the ROW if construction occurs
>during the barn owl breeding season (March through June). However, at
>this point, no known grasslands or barns will be destroyed during
>construction.

>

>Henslow's Sparrow - There are no large grassland tracts crossed by the
>Project, but there may be a few small, fragmented tracts of
>grassland/pasture crossed. We do not plan on conducting surveys for
>Henslow's Sparrow at this point in time.

>

>Least Bittern - The Project is located 8-9 miles north of Horseshoe
>Lake. The project does cross through Carlyle Lake, an extensive wetland
>area, but from your comments, it does not sound like the least bittern
>is known to nest in the Carlyle Lake area? If this information is
>correct, we do not plan on conducting surveys for this species at this
>point in time.

>

>Loggerhead shrike - we will plan on conducting surveys for this species
>in the Carlyle Lake WMA.

>

>Pied-billed grebe - There does not appear to be suitable wetland habitat
>for this species where the Project crosses the Mississippi River
>(cultivated ag fields up to the River bed), and I have looked
>extensively for Kidd Lake on a gazetteer of the area and feel fairly
>confident that it is not located close to the Project route (although I
>was unable to pinpoint the exact location of Kidd Lake). We do not
>propose to conduct surveys for the Pied-billed grebe at this point based
>off of this information.

>

>Yellow-crowned night heron - The pipeline is located 6-7 miles north of
>Pontoon Beach. Again, the project will cross through Carlyle Lake WMA,
>but it does not sound like the yellow-crowned night heron nests in this
>area? Again, if this information is correct, we do not propose to
>conduct surveys at this time.

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>
>Feel free to forward this email on to Steve Baily if he has any
>additional comments on the species. If we have interpreted anything
>incorrectly, or if you disagree with any of the conclusions we have made
>on surveys, please let me know! Thanks again, and hope you have a great
>holiday season!

>Sara

>

>Sara Stribley
>Environmental Coordinator
>ENSR | AECOM
>1601 Prospect Pkwy
>Ft. Collins, Colorado 80525
>P: 970.493.8878
>F: 970.4930213
>sstribley@ensr.aecom.com
>www.ensr.aecom.com

>

>

>-----Original Message-----

>From: Mike Ward [mailto:mpward@uiuc.edu]
>Sent: Wednesday, December 06, 2006 7:45 AM
>To: Stribley, Sara
>Subject: RE: Keystone Pipeline Project - Bird Surveys (out of theoffice)

>

>Sara,

> Sorry we did not get back to you sooner. A quick look
>suggested
>that the best areas for birds are north of Carlyle Lake and the area
>where
>the pipeline crosses the Mississippi River. Although it is difficult to
>
>say from aerials most of the other areas appear to not have the
>appropriate
>habitat for E and T species. I gave the map to Steve Bailey to take a
>look
>at if has anything to add I will let you know.

>

>

>As for these species being near the pipeline

>

>Bald eagle (to our knowledge) do not nest near where the pipeline is
>suggested
>Barn owl I know there is a pair of Barn Owls somewhere near the north
>end
>of Caryle Lake which would be near the pipeline, though unless the
>pipeline
>destroys barns or grassland I doubt it will have an impact
>Henslow's sparrow have become more common and if there are large
>grasslands
>along the pipeline route there may be Henslow's
>Least bittern as long as the pipe does not destroy wetlands and does not
>go
>near Horseshoe Lake Conservation Area I think it will be OK
>Loggerhead shrike there may be some nesting near the north end of Caryle
>Lake
>Pied-billed grebe the only habitat for grebes would be near the
>Mississippi
>River (or Kidd Lake) but I think the pipe is north of this lake
>Yellow-crowned night heron nest in the town of pontoon beach so if the
>pipe is near the rookery that would be a problem, additionally wetlands
>should not be destroyed.

>

>

>Mike

>

>

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>At 01:27 PM 12/5/2006, you wrote:
> >Hi Mike,
> >Was wondering if you had had a chance to look over the Keystone
>Pipeline
> >for impacts to the bird species I had provided a week or so ago? We are
> >having some meetings on the biological surveys for the project this
>week
> >and if you have any information or input that you could provide at this
> >point, that would be greatly appreciated!!!
> >Thanks again for your help!
> >Sara
> >
> >Sara Stribley
> >Environmental Coordinator
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> >sstribley@ensr.aecom.com
> >www.ensr.aecom.com
> >
> >
> >-----Original Message-----
> >From: Stribley, Sara
> >Sent: Tuesday, November 21, 2006 3:53 PM
> >To: 'Mike Ward'
> >Subject: RE: Keystone Pipeline Project - Bird Surveys (out of
>theoffice)
> >
> >Mike,
> >I have attached shapefiles of the Keystone Pipeline route through UTM
>15
> >and UTM 16. Part of the pipeline route through Missouri will be in the
> >UTM 15 file, but you can just ignore that section. Thanks again for
>your
> >input!
> >Sincerely,
> >Sara
> >
> >-----Original Message-----
> >From: Mike Ward [mailto:mpward@uiuc.edu]
> >Sent: Tuesday, November 21, 2006 3:43 PM
> >To: Stribley, Sara
> >Subject: RE: Keystone Pipeline Project - Bird Surveys (out of
>theoffice)
> >
> >shapefiles are fine with me
> >
> >
> >
> >At 04:25 PM 11/21/2006, you wrote:
> > >Great! Aerials, topos, or shapefiles (or a combination of all 3)?
> > >
> > >Sara
> > >
> > >-----Original Message-----
> > >From: Mike Ward [mailto:mpward@uiuc.edu]
> > >Sent: Tuesday, November 21, 2006 3:19 PM
> > >To: Stribley, Sara
> > >Subject: Re: Keystone Pipeline Project - Bird Surveys (out of
>theoffice)
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> > > >
> > > >Sara,
> > > > If you sent me a project map I could probably give you a
>good

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> > >idea
> > >of whether the species you mentioned were still present at those
> > >locations. All of the species you mentioned could be adequately
> > >surveyed
> > >via point counts, and in the case of the wetland species call
> > >playbacks
> > >along with point counts.
> > >
> > >Mike
> > >
> > >
> > >
> > >At 03:50 PM 11/21/2006, you wrote:
> > > >Hi Mike,
> > > >I received your name from Kevin Johnson and was wondering if you
> > > >might
> > > >be able to provide some information on bird
> > > >species and surveys requirements for the Keystone Pipeline Project?
> > > >I
> > > >tried contacting Steve Baily, and Dave Enstrom several times a few
> > > >months back through email and phone, and was never able to get a
> > > >response from either of them (Diane Tecic, IL NHP, informed me to
> > > >contact them regarding bird species). We received information from
> > > >the
> > > >IL DNR and IL NHP that the following bird species may be present
> > > >along
> > > >the Keystone Pipeline route:
> > > >
> > > >Bald eagle
> > > >Barn owl
> > > >Henslow's sparrow
> > > >Least bittern
> > > >Loggerhead shrike
> > > >Pied-billed grebe
> > > >Yellow-crowned night heron
> > > >
> > > >I am looking for the following information for these species:
> > > >
> > > >1. Is there any known habitat crossed by the project?
> > > >2. Would surveys be required for all of the species listed above?
> > > >3. What would the survey protocol be?
> > > >
> > > >If you are able to provide some information and input on the
> > > >effects
> > > >of
> > > >the project to these species, that would be greatly
> > > >appreciated! I can send you project maps and materials if this is
> > > >something you are able to do. Thanks for your help!
> > > >Sincerely,
> > > >Sara
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> > > >Sara Stribley
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> > > >
> > > >
> > > >
> > > >

Stribley, Sara

From: Chris Phillips [caphilli@uiuc.edu]
Sent: Wednesday, November 22, 2006 10:06 AM
To: Stribley, Sara
Subject: Re: Keystone Pipeline Project - Illinois chorus frogs

Sara:

I defer to John's opinion on this matter.

--Chris

----- Original message -----

>Date: Wed, 22 Nov 2006 10:25:19 -0500
>From: "Stribley, Sara" <sstribley@ensr.aecom.com>
>Subject: Keystone Pipeline Project - Illinois chorus frogs
>To: "Chris Phillips" <caphilli@uiuc.edu>

>
> Hi Chris,
> I talked with John Tucker yesterday and it sounds
> like the Keystone pipeline will avoid any know ICF
> populations. At this point, I don't believe we will
> plan on conducting any surveys for the species.
> However, I have attached my correspondence with John
> and was hoping to get your concurrence or further
> input on the discussions!
> Thanks,
> Sara

>
> Sara Stribley
> Environmental Coordinator
> ENSR | AECOM
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> F: 970.4930213
> sstribley@ensr.aecom.com
> www.ensr.aecom.com

> INHS_J Tucker_112106_SS.doc (70k bytes)

>Date: Tue, 21 Nov 2006 15:27:49 -0500
>From: <johnktucker@gtec.com>
>Subject: Sand road
>To: "Stribley, Sara" <sstribley@ensr.aecom.com>

> Dear Sara,

> As I mentioned in my phone message, I think this
> pipeline project is south of any known current or
> former chorus frog sites. The main site for them in
> Madison County is in the Sand Road area: Sec. 19,

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> T4N, R8W and that general region. This area
> includes Sand Road, Old Poag Road, Streetcar Road,
> Wanda Road. The populations extend east to Idle
> Acres Road and almost to a Pentacostal Church Camp.
> These are all close together. There are old records
> for the species from Granite City and for areas
> north of New Poag Road near South Roxana. However,
> I have not heard choruses there in calling surveys
> conducted from 1994 to 2004.

> The frog occupies any sort of sandy soil and is not
> picky about type during the time it is not
> breeding. It may breed in other soil types as it
> must have ephemeral pools for breeding and these are
> often located at the edges of sand units. Breeding
> occurs in Feb through May but most is in March and
> April. It is associated with sizable rain events in
> excess of 2.5 cm.

> I have listened at some of the sand mining areas
> south of Interstate 270, some of which seem to be on
> your map. I have never heard them there. My guess
> is that your project (assuming I am correct on the
> location) is clear of chorus frogs. This also
> assumes that you do not have any hits from the
> Natural Heritage data base. If you do, I would have
> to evaluate those more closely.

> John
Christopher A. Phillips
Assistant Professional Scientist
Center for Biodiversity
Illinois Natural History Survey
607 E. Peabody Drive
Champaign, IL 61820

Stribley, Sara

From: Stribley, Sara
Sent: Wednesday, November 22, 2006 8:25 AM
To: 'Chris Phillips'
Subject: Keystone Pipeline Project - Illinois chorus frogs
Attachments: INHS_J Tucker_112106_SS.doc; Sand road

Hi Chris,

I talked with John Tucker yesterday and it sounds like the Keystone pipeline will avoid any know ICF populations. At this point, I don't believe we will plan on conducting any surveys for the species. However, I have attached my correspondence with John and was hoping to get your concurrence or further input on the discussions!

Thanks,

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Stribley, Sara

From: Stribley, Sara
Sent: Tuesday, November 21, 2006 3:53 PM
To: 'Mike Ward'
Subject: RE: Keystone Pipeline Project - Bird Surveys (out of theoffice)

Attachments: CL UTM 15_UTM 16.zip; MP UTM 15_UTM 16.zip



CL UTM 15_UTM 16.zip (24 KB) MP UTM 15_UTM 16.zip (17 KB)

Mike,

I have attached shapefiles of the Keystone Pipeline route through UTM 15 and UTM 16. Part of the pipeline route through Missouri will be in the UTM 15 file, but you can just ignore that section. Thanks again for your input!

Sincerely,
Sara

-----Original Message-----

From: Mike Ward [mailto:mpward@uiuc.edu]
Sent: Tuesday, November 21, 2006 3:43 PM
To: Stribley, Sara
Subject: RE: Keystone Pipeline Project - Bird Surveys (out of theoffice)

shapefiles are fine with me

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> >IL DNR and IL NHP that the following bird species may be present along
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- > >Bald eagle
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Stribley, Sara

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Sent: Tuesday, November 21, 2006 3:25 PM
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Subject: RE: Keystone Pipeline Project - Bird Surveys (out of theoffice)

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>Sara

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>Sara Stribley
>Environmental Coordinator
>ENSR | AECOM

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>
>
>
>

Stribley, Sara

From: Stribley, Sara
nt: Tuesday, November 21, 2006 2:51 PM
to: 'mpward@uiuc.edu'
Subject: Keystone Pipeline Project - Bird Surveys (out of the office)

Hi Mike,

I received your name from Kevin Johnson and was wondering if you might be able to provide some information on bird species and surveys requirements for the Keystone Pipeline Project? I tried contacting Steve Baily, and Dave Enstrom several times a few months back through email and phone, and was never able to get a response from either of them (Diane Tecic, IL NHP, informed me to contact them regarding bird species). We received information from the IL DNR and IL NHP that the following bird species may be present along the Keystone Pipeline route:

Bald eagle
Barn owl
Henslow's sparrow
Least bittern
Loggerhead shrike
Pied-billed grebe
Yellow-crowned night heron

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FOR INTERNAL KEYSTONE PROJECT USE ONLY

TransCanada – Keystone Pipeline Contact Summary Form

Location of Meeting ENSR
Date/Time of Meeting November 21, 2006
Keystone Team Member(s) Sara Stribley

Contact Information:

Name	John Tucker
Title	Herpetologist
Organization	Illinois Natural History Survey Great Rivers Field Station
Address	8450 Montclair Ave. Brighton, IL 62012
County	
Phone	618-786-2578
E-mail address	jktucker@inhs.uiuc.edu

Meeting Information:

Type of Contact (phone, in-person, etc.): Phone

Issue: Illinois Chorus Frog Habitat and Surveys for Illinois

Concern Level: High Moderate Low

Description:

I received an email response from John Tucker concerning the Illinois chorus frog and its proximity to the Keystone Pipeline Project. I followed up John's email with a call to clarify some information in the email regarding the exact location of the Project. In the email I had previously sent John, I included 1:24k aerial maps of the route through Madison County for him to look at. In our phone conversation John explained that populations of the ICF are located South of New Poag road in the vicinity of Sand Road, Street Car Road, and Chain of Rocks (more detailed location information included in John's email). There is historical record of the ICF near Wagon Wheel Road and Wanda Road, but John has not had any success locating any ICFs during surveys he has conducted in this area. John mentioned that he believes either the population has been extirpated from this area, or that the historical record was incorrect (frog calls incorrectly identified). He stated that he would have no concerns if the pipeline is north of new Poag Road, and that it is very unlikely that we would affect any populations along the route (John mentioned that he incorrectly stated in his email that we would be north not south of any known populations). I also discussed with him the Natural Heritage record we received data on. The nearest occurrence of the ICF was 2.4 miles away, and he didn't have any concerns with that information.

issue: _____

Concern Level: High Moderate Low

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Description:

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Stribley, Sara

From: johnktucker@gtec.com
Sent: Tuesday, November 21, 2006 1:28 PM
To: Stribley, Sara
Subject: Sand road

Dear Sara,

As I mentioned in my phone message, I think this pipeline project is south of any known current or former chorus frog sites. The main site for them in Madison County is in the Sand Road area: Sec. 19, T4N, R8W and that general region. This area includes Sand Road, Old Poag Road, Streetcar Road, Wanda Road. The populations extend east to Idle Acres Road and almost to a Pentacostal Church Camp. These are all close together. There are old records for the species from Granite City and for areas north of New Poag Road near South Roxana. However, I have not heard choruses there in calling surveys conducted from 1994 to 2004.

The frog occupies any sort of sandy soil and is not picky about type during the time it is not breeding. It may breed in other soil types as it must have ephemeral pools for breeding and these are often located at the edges of sand units. Breeding occurs in Feb through May but most is in March and April. It is associated with sizable rain events in excess of 2.5 cm.

I have listened at some of the sand mining areas south of Interstate 270, some of which seem to be on your map. I have never heard them there. My guess is that your project (assuming I am correct on the location) is clear of chorus frogs. This also assumes that you do not have any hits from the Natural Heritage data base. If you do, I would have to evaluate those more closely.

John

Stribley, Sara

From: Stribley, Sara
Sent: Tuesday, November 21, 2006 9:54 AM
To: 'johnktucker@gtec.com'
Subject: FW: Illinois Chorus Frog

Attachments: Keystone_Madison County.zip



Keystone_Madison
County.zip (4...

John,

Are there certain sandy soils that are appropriate for the ICF (ex: Oakville, Bloomfield, etc.)? I would like to analyze the soil associations crossed by the project in Madison County for any appropriate soil habitat? The majority of the project crosses agriculture land in Madison, however; is it true that the ICF can survive in sandy agriculture fields? I've attached to this email PDFs of the project through Madison County. Would you be able to take a look at them and give us feedback as to whether it looks like we cross any potential habitat? From your email below it sounds like it is highly unlikely that the project would impact the species? If we assume presence, besides the timing restrictions, are there other options such as a conservation bank that Keystone could contribute to for the species? I really appreciate any input you can provide! If it looks like we need to conduct surveys, we definitely may need your expertise this spring for call surveys. Thanks again,
Sara

Sara Stribley
Environmental Coordinator
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-----Original Message-----

From: John Tucker [mailto:jktucker@inhs.uiuc.edu]
Sent: Tuesday, November 21, 2006 7:09 AM
To: Stribley, Sara
Subject: Illinois Chorus Frog

Dear Sara,

Chris Phillips forwarded your e-mail to me.

If you have a project to conduct, I could possibly do it as a private subcontractor but only if it is a small job. I live in Grafton and am intimately familiar with the animal and its occurrence in Madison County havinbg worked with the populations for several years.

As to your questions:

First if your pipeline crosses sandy habitats, then you have some finite chance of encountering this frog. Also, remember the frog breeds early in the spring and at breeding you cannot predict their occurrence because they are on the surface moving to breeding sites. If you can time work, so that it is conducted between June 15 and February 1 you

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miss the breeding/transformation problems.

Please respond to my home e-mail (johnktucker@gtec.com). I use the office e-mail only as a response and do not like to use it for personal reasons.

Yours,

John K. Tucker

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Stribley, Sara

From: John Tucker [jktucker@inhs.uiuc.edu]
Sent: Tuesday, November 21, 2006 7:09 AM
To: Stribley, Sara
Subject: Illinois Chorus Frog

Dear Sara,

Chris Phillips forwarded your e-mail to me.

If you have a project to conduct, I could possibly do it as a private subcontractor but only if it is a small job. I live in Grafton and am intimately familiar with the animal and its occurrence in Madison County havinbg worked with the populations for several years.

As to your questions:

First if your pipeline crosses sandy habitats, then you have some finite chance of encountering this frog. Also, remember the frog breeds early in the spring and at breeding you cannot predict their occurrence because they are on the surface moving to breeding sites. If you can time work, so that it is conducted between June 15 and February 1 you miss the breeding/transformation problems.

Please respond to my home e-mail (johnktucker@gtec.com). I use the office e-mail only as a response and do not like to use it for personal reasons.

Yours,

John K. Tucker

Stribley, Sara

From: DIANE TECIC [DIANE.TECIC@illinois.gov]
Int: Monday, November 20, 2006 1:08 PM
To: Stribley, Sara
Subject: Re: Keystone Pipeline Project - Bird Surveys (out of theoffice)

I will be out of the office until mid-December. Please contact Glen Kruse (glen.kruse@illinois.gov or 217-785-8691) if you need prompt attention or response.

Thanks,
Diane

>>> sstribley 11/20/06 13:24 >>>

Hi Diane,
I was wondering if you might be able to provide some information on bird species and surveys requirements for the Keystone Pipeline Project. I tried contacting Steve Baily, and Dave Enstrom several times a few months back through email and phone, and was never able to get a response from either of them. I just sent another email to Kevin Johnson at the INHS, and am hoping to hear something from him, but in case I don't I wanted to check with you. We received information that the following bird species may be present along the Keystone Pipeline route:

Bald eagle
Barn owl
Henslow's sparrow
Least bittern
Loggerhead shrike
Red-billed grebe
Yellow-crowned night heron

I am looking for the following information for these species:

1. Would surveys be required for all of the species listed above?
2. What would the survey protocol be?
3. Is there any known habitat crossed by the project?

If you are able to provide some information, that would be greatly appreciated! Thanks for your help!

Sincerely,
Sara

Sara Stribley

Environmental Coordinator

ENSR | AECOM

1601 Prospect Pkwy

Ft. Collins, Colorado 80525

P: 970.493.8878

F: 970.4930213

sstribley@ensr.aecom.com <mailto:sstribley@ensr.aecom.com>

Animal Science

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TransCanada – Keystone Pipeline Contact Summary Form

Location of Meeting ENSR
Date/Time of Meeting November 20, 2006
Keystone Team Member(s) Sara Stribley

Contact Information:

Name	Kevin Johnson
Title	Ornithologist, INHS Curator of Birds
Organization	Illinois Natural History Survey
Address	1816 S. Oak Street Champaign, IL 61820
County	
Phone	217-244-9267
E-mail address	kjohnson@inhs.uiuc.edu

Meeting Information:

Type of Contact (phone, in-person, etc.): E-mail

Issue: Bird Survey Requirements for Illinois

Concern Level: High ___ Moderate ___ Low ___

Description:

Hi Kevin,

I tried contacting Steve Baily and Dave Enstrom several times (names given to me by Diane Tecic, ILNHP) a while back about information that ENSR had received from the IL NHP on bird species that may potentially occur along the Keystone Pipeline Project route in Illinois (Madison, Bond, Fayette, and Marion counties). I am trying to locate survey requirements/protocols and survey locations for the following species:

Bald Eagle
Barn Owl
Henslow's Sparrow
Least Bittern
Loggerhead shrike
Peregrine falcon
Pied-billed grebe
Yellow-crowned night heron

1. Would surveys be needed for all of the above species?
2. When and where should surveys be conducted?

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3. Any other special requirements for conducting surveys?

I will try and follow up this email with a call to further discuss these topics! Hopefully you can provide me with some information, or possible refer me to someone else who can! Thanks for your help!

Sincerely,
Sara

Sara Stribley
Environmental Coordinator
ENSR | AECOM
1601 Prospect Pkwy
Ft. Collins, Colorado 80525
P: 970.493.8878
F: 970.4930213
sstribley@ensr.aecom.com
www.ensr.aecom.com

sstribley@ensr.aecom.com <<mailto:sstribley@ensr.aecom.com>>

Issue: _____

Concern Level: High __ Moderate __ Low __.

Description:

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TransCanada – Keystone Pipeline Contact Summary Form

Location of Meeting	ENSR
Date/Time of Meeting	November 20, 2006
Keystone Team Member(s)	Sara Stribley

Contact Information:

Name	Diane Tecic
Title	Natural Heritage Regional Administrator
Organization	Illinois Natural Heritage Program
Address	4521 Alton Commerce Parkway Alton, IL 62002
County	
Phone	618-462-1181
E-mail address	diane.tecic@illinois.gov

Meeting Information:

Type of Contact (phone, in-person, etc.): E-mail

Issue: Sensitive Bird Species Survey Requirements

Concern Level: High ___ Moderate ___ Low ___

Description:

Hi Diane,
I was wondering if you might be able to provide some information on bird species and surveys requirements for the Keystone Pipeline Project. I tried contacting Steve Baily, and Dave Enstrom several times a few months back through email and phone, and was never able to get a response from either of them. I just sent another email to Kevin Johnson at the INHS, and am hoping to hear something from him, but in case I don't I wanted to check with you. We received information that the following bird species may be present along the Keystone Pipeline route:

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Henslow's sparrow
Least bittern
Loggerhead shrike
Pied-billed grebe
Yellow-crowned night heron

I am looking for the following information for these species:

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Thanksgiving!

Sincerely,
Sara

Sara Stribley
Environmental Coordinator
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IDNR/Keystone
October 16, 2006
Page 2

For purposes of the remote assessment, potential habitat is defined as any part of the construction corridor in which a wetland is known to occur in association with an open area, e.g., a field next to a wetland. Wetlands that are completely forested were eliminated as potential habitat, as were areas of prolonged inundation or year-round open water.

On-Site Habitat Assessment

Potential snake habitat identified during the remote habitat assessment will be field verified. During field verification, habitat will be categorized as either likely to support protected snake species (i.e., meets all habitat requirements), or not likely to support protected snake species (meets no requirements).

Habitat categorization will be based upon these requirements:

- Presence of seasonally or temporarily saturated ground, or proximity to a body of water such as a lake or pond.
- Presence of adjacent open areas such as fields or meadows.
- Presence and density of potential hibernacula such as crayfish burrows.

As presence of suitable hibernacula appear to be the limiting factor to these snakes' occurrence, categorization of "likely to support" will be highly dependent upon presence of potential hibernacula such as crayfish or small mammal burrows, submerged root masses, or other means by which snakes can access subsurface saturated ground. If potential hibernacula are sparse (fewer than 1 per 10 meter²), or if surface soil is saturated, the area will be categorized as "not likely to support" protected snake species.

Areas identified during the remote assessment that were not accurately represented in aerial photos or NWI maps (i.e., have since been altered) and are no longer suitable for these species will be eliminated from further study.

All areas categorized as "likely to support" protected snakes identified during the on-site survey will be described on a Site Description Data Sheet (attached) and the location recorded with GPS equipment. Photographs will be taken of all sites visited during the on-site habitat assessment and field verification.

Following the on-site habitat assessment, ENSR and BHE will reconvene with IDNR to review results, and discuss potential future monitoring efforts. If further survey or monitoring of snake habitat on the construction corridor is necessary, it will be coordinated through IDNR, with agency input.

If this plan is acceptable, please reply by e-mail, or sign this letter in the space provided below and return it by fax to me at 513.326.1178.

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IDNR/Keystone
October 16, 2006
Page 3

Should you have any questions or comments about the proposed study plan, please feel free to contact me by phone at 513.326.1175 or by e-mail at vhand@bheenvironmental.com.

Sincerely,



Vincent C. Hand, Ph.D.
Director, Natural Resources Management

Attachments

_____ I concur with the methods presented in this study plan

_____ I do not concur with the methods presented in this study plan
please provide additional guidance or explanation

_____ Signature

_____ Date

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Table showing location of wetland features by county and pipeline milepost numbers.

County	West Milepost	East Milepost
Madison	1017.6	1017.7
Madison	1019.3	1019.5
Madison	1022.5	1022.7
Madison	1023.9	1024
Madison	1025.3	1025.4
Madison	1032.2	1032.5
Madison	1036.4	1036.5
Madison	1038.1	1038.3
Madison	1041.4	1041.6
Bond	1048.8	1048.9
Bond	1049.4	1049.5
Bond	1050.7	1050.9
Bond	1051.1	
Bond	1051.7	
Bond	1052.4	1052.7
Bond	1054.1	1054.2
Bond	1054.7	1055
Bond	1056.4	1056.5
Bond	1057.2	1057.3
Bond	1057.9	1058
Bond	1063.8	1063.9
Fayette	1064.9	1068.1

Entries where only one milepost is provided indicate a wetland feature where the length along the pipeline right of way is less than ~ 300 ft.

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Site Description Data Sheet

Surveyor(s): _____ Date of Survey: _____

Location of Survey (Lat/Lon or UTM): _____

State: Missouri or Illinois County: _____

REX-West or Keystone Name of Feature/Wetland (assign): _____

General description of site: _____ Photo Number(s): _____

Is standing water present? Y / N

Ground appears to be saturated: frequently temporarily/seasonally rarely

Was a test pit dug? Y / N If yes, depth to saturated soil (cm): _____

Estimated distance to nearest permanent body of water (m): _____

Type of water body: lake/pond stream river

Are crayfish burrows present? Y / N If yes, estimated density (#/m²): _____

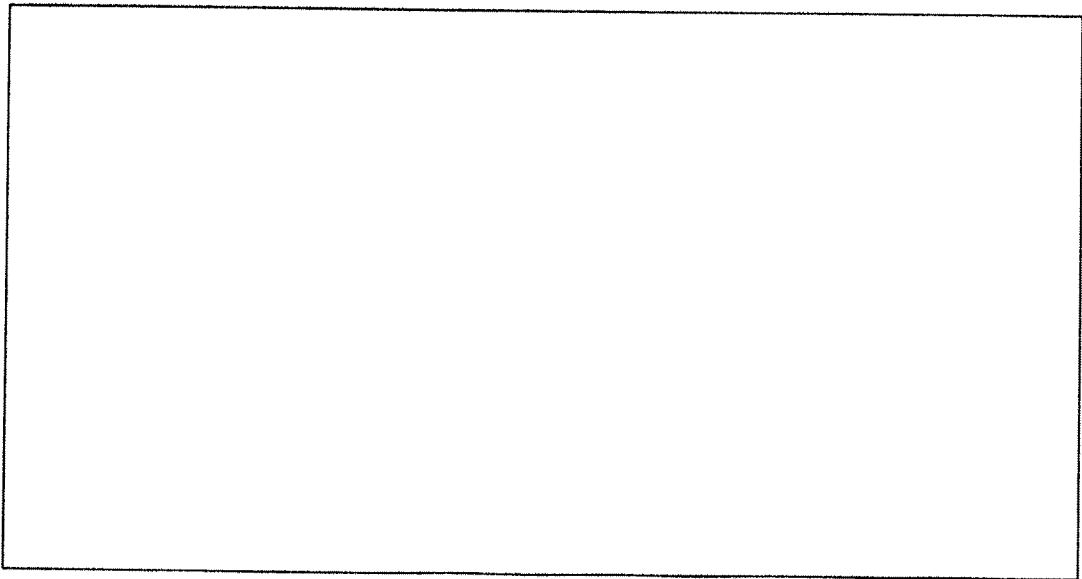
Describe other potential hibernacula present: _____

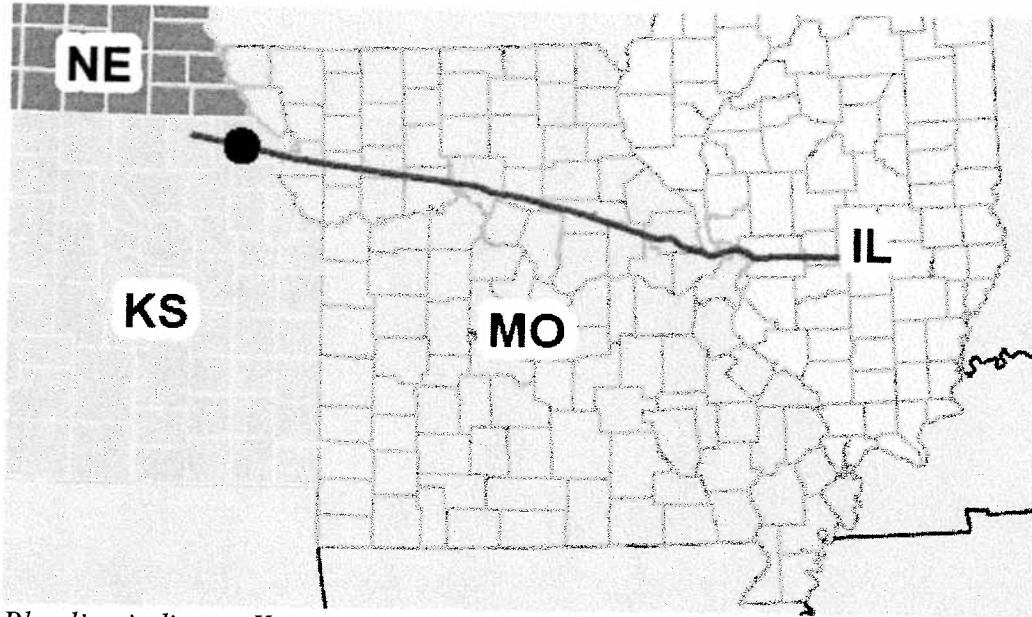
Are there trees in the area? Y / N If yes, estimated percent canopy closure: _____%

Dominant species (3): _____

Notes:

Sketch of Survey Area (indicate mileposts):





Blue line indicates Keystone pipeline corridor location.



+ + + + +

BHE CONTACT REPORT

11733 CHESTERDALE ROAD - CINCINNATI, OH 45246
 Phone: 513.326.1500 - Fax: 513.326.1178

Contact made by: Melanie Gregory		Date & Time: email exchange 9/25 - 10/4/2006
Person contacted: Scott Ballard		Title: Herpetologist
Company/Agency: Illinois Department of Natural Resources		
Address:		E-mail: scott.ballard@illinois.gov
Telephone:	Fax:	
Cell phone/pager:		
Project: ENSR Keystone and REX-West pipelines		
Subject: Surveys for eastern massasauga rattlesnake (EMR) and Kirtland's snake in IL		

NOTES:

- 9/25 initial contact to SB by MLG, ask if IL has official pres/abs survey or habitat assessment protocol for EMR and/or Kirtland's.
- 9/25 initial contact made also to Chris Phillips (IL Natural History Survey, an EMR researcher recommended by IDNR), ask for accepted IL survey protocol.
- 9/26 response from SB: no official protocol exists, recommended we contract someone from IL Natural History Survey (named Mike Dreslik) to do any surveys.
- 9/26 MLG: attempt to contact Mike Dreslik for input (*no response as of 10/9/2006*)
- 9/26 MLG: email SB and outline basic project needs, ask if Scott is correct person at IDNR to coordinate with regarding drafting and approval of a study plan
- 9/26 SB: says he will review and comment on any study plan we send to him. Says that October is too late for presence/absence surveys, we need to have an 'approved surveyor' do any field work for EMRs, suggests again that we contract Mike Dreslik to do surveys. States that visual searches can give 'presence' information, but cannot confirm absence.
- 9/26 MLG: requests that SB provide a list of approved surveyors, ask for suggested 'man-hours per acre' of survey intensity.
- 9/26 SB: says he will recommend surveyors (*again mentions Dreslik*). Asks for more information about the project location, so he can check occurrence records. Suggests that any visual searches be conducted in spring.
- 9/26 MLG: provide list of affected IL counties and Casper survey protocol for reference.
- 9/26 SB: says he will read and get back to us.



+++++

BHE CONTACT REPORT

11733 CHESTERDALE ROAD - CINCINNATI, OH 45246
Phone: 513.326.1500 - Fax: 513.326.1178

9/28 MLG: follow-up with SB to see if all four counties need to be included in survey. Also ask for confirmation that an 'approved surveyor' must conduct any presence/abs surveys. Ask if an approved surveyor must also conduct habitat assessments. Again request list of approved surveyors.

10/2 SB: replies that all four counties are known to contain potential habitat and should be included in surveys. Habitat assessments do not need to be done by an 'approved surveyor' but states that results would be strengthened if conducted by an approved surveyor. States that IL does not maintain a list of approved surveyors but again recommends Dreslik (*has not provided any other names as of 10/9/2006*). Requests a map of specific project area. Asks for how many days and in what time frame spring presence/absence surveys might be conducted.

10/4 rec'vd response from Chris Phillips (Illinois Natural History Survey): he recommends following the Missouri protocol developed by Jeff Briggler (MDC) for pres/absence surveys. Has no input on habitat assessment.

Stribley, Sara

From: Kevin P. Johnson [kjohnson@inhs.uiuc.edu]
Sent: Monday, August 14, 2006 12:04 PM
To: Stribley, Sara
Subject: Re: Keystone Pipeline Project ENSR - Rare Bird Surveys

Dear Sara,

You might also try contacting Mike Ward (mpward@uiuc.edu), another ornithologist at the INHS.

Kevin J.

Hello Kevin,

Diane Tecic with the IL DNR gave me the names of Steve Baily, and Dave Enstrom as contacts with the INHS to provide us with information on T&E bird species in Illinois. We are preparing the Environmental Report and conducting the environmental surveys for a project called the Keystone Pipeline Project and are trying to line up qualified surveyors who can conduct surveys for us along the proposed pipeline route. I contacted Steve and Dave several times, but never heard anything back from them? Would you happen to have any names of potential surveyors that may be able to provide us with a bid? Any information you could provide would be greatly appreciated!

Sincerely,

Sara Stribley
Staff Specialist
ENSR Corporation
1601 Prospect Pkwy
Fort Collins, CO 80525
970.493.8878 ext. 168
sstribley@ensr.aecom.com

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Kevin P. Johnson
Assistant Professional Scientist
Illinois Natural History Survey
1816 South Oak Street
Champaign, IL 61820-6970
Phone: (217) 244-9267
Fax: (217) 244-0729
e-mail: kjohnson@inhs.uiuc.edu
