

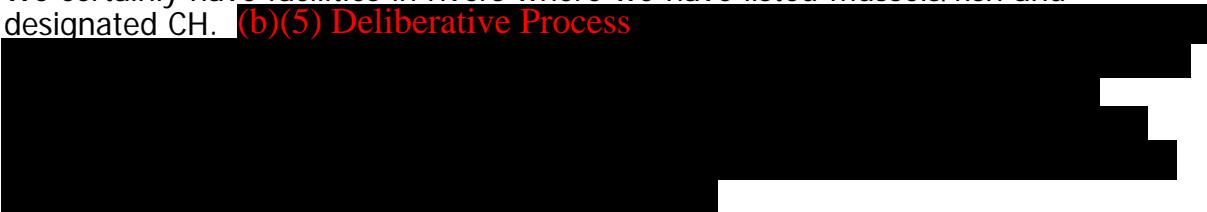
From: [Andrews, Lee](#)
To: [Drew Crane](#)
Subject: Fwd: 316b Cooling Water Intake Structure Rule - Please respond to HQ by Wednesday, June 12
Date: Thursday, June 06, 2013 3:57:14 AM
Attachments: [316b Map.pdf](#)

Drew,

My quickly thought-out answers to your questions relative to the Kentucky ES FO are:

1) I don't think we've ever considered the effects of existing cooling water intakes on listed species, because the majority of them existed prior to our office becoming established ~10 years ago. If something new is proposed, we obviously look at that; however, in most cases, I would think that we'd be more concerned with the warm water return's effects on species. That's not to say, however, that intakes that reduce flow, dewater habitat, etc. wouldn't be problematic - we just haven't had this be a problem in the past.

We certainly have facilities in rivers where we have listed mussels/fish and designated CH. (b)(5) Deliberative Process



2) We are not aware of any such consultations.

3) I was somewhat surprised by the map, but there are a lot of facilities on the Ohio River (in particular). It would be good if EPA could create a GIS layer that showed the locations of each of intakes/outfalls that could be distributed with a) owner name, b) type of facility (power, industrial, etc.), c) permitted withdrawals and discharges, etc. - if one doesn't already exist.

Lee Andrews

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From: **Mizzi, Janet** <janet_mizzi@fws.gov>

Date: Wed, Jun 5, 2013 at 4:30 PM

Subject: Fwd: 316b Cooling Water Intake Structure Rule - Please respond to HQ by Wednesday, June 12

To: Mary Jennings <mary_e_jennings@fws.gov>, Bill Pearson <bill_pearson@fws.gov>, Brad Rieck <brad_rieck@fws.gov>, Cary Norquist <cary_norquist@fws.gov>, Chris Davidson <chris_davidson@fws.gov>, Craig Aubrey <craig_aubrey@fws.gov>, Dan Everson <dan_everson@fws.gov>, Dawn Jennings <dawn_jennings@fws.gov>, Deborah Fuller <deborah_fuller@fws.gov>, Donald Imm <donald_imm@fws.gov>, Edwin Muniz <edwin_muniz@fws.gov>, Jay Herrington <jay_herrington@fws.gov>, Jeff Weller <jeff_weller@fws.gov>, Larry Williams <larry_williams@fws.gov>, Laura Rogers <laura_rogers@fws.gov>, Lee Andrews <lee_andrews@fws.gov>, Marelisa Rivera <Marelisa_Rivera@fws.gov>, Peggy Shute <peggy_shute@fws.gov>, Pete Benjamin <pete_benjamin@fws.gov>, Robin Goodloe <Robin_Goodloe@fws.gov>, Sandy Tucker

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Cc: Kenneth Graham <kenneth_graham@fws.gov>, Michelle Eversen <michelle_eversen@fws.gov>

To all Field Offices in the Southeast Region:

Drew Crane in Headquarters has been working with EPA concerning a potential programmatic consultation for cooling water intake structures (see Drew's note below). At this point Drew is asking a few general questions to get a feel for how often cooling water intake structures have caused a concern for listed species or designated critical habitats.

If you have any experience or insights on this issue, [please respond directly to Drew Crane in Headquarters by Wednesday, June 12](#). If this has been an issue for us in the past, we need to provide background information to Drew so that he will have a basis to discuss possible programmatic consultation with EPA at a National level.

Thanks for any assistance you can provide to Headquarters on this subject. Due to the short turnaround needed for response, please direct any questions or discussions directly to Drew Crane (see contact information below).

Thanks,
Janet Mizzi
Chief, Endangered Species Branch
Southeast Region

----- Forwarded message -----

From: **Crane, Drew** <drew_crane@fws.gov>

Date: Thu, May 30, 2013 at 6:59 PM

Subject: 316b Cooling Water Intake Structure Rule - Not an official assignment but input appreciated

To: Doug Laye <doug_laye@fws.gov>, Glenn Smith <glenn_s_smith@fws.gov>, Collette Thogerson <collette_thogerson@fws.gov>, Daniel Brown <daniel_brown@fws.gov>, Delfinia Montano <delfinia_montano@fws.gov>, Jana Affonso <jana_affonso@fws.gov>, Jennifer Szymanski <jennifer_szymanski@fws.gov>, Larry Salata <larry_salata@fws.gov>, Sonja Jahrsdoerfer <sonja_jahrsdoerfer@fws.gov>, Kenneth Graham <kenneth_graham@fws.gov>, Patrice Ashfield <patrice_ashfield@fws.gov>

Hi All,

As I mentioned on the call today, EPA will be finalizing a rule that will set standards for existing cooling water intake structures at various facilities that withdraw more than 2 million gallons of water/day (primarily power plants and manufacturing facilities). In the attached map, they have identified where these facilities may occur. They have also determined that these facilities overlap approximately 207 listed species ranges. In most cases, the states are the permitting authority for these facilities. That means in instances where take is occurring, the state or the

facility would need to develop an HCP to address any ongoing take issues. This could result in a significant workload increase for some field offices. We are attempting to avoid that situation by addressing this issue through a national programmatic consultation with EPA.

Could each of you poll your respective field offices to see if:

- they know of facilities with cooling water intakes in their area that are impacting T&E species?
- have they completed any consultations or HCPs for facilities that have cooling water intake structures?
- they are aware that this many facilities overlap T&E species in their area?

Even "yes, no" answers would be helpful at this point. Field offices can respond directly to me or you can forward on any responses you receive. If possible, I would appreciate any information they can provide by the end of next week.

Thanks!

Drew Crane
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U.S. Fish and Wildlife Service
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Arlington, VA 22203
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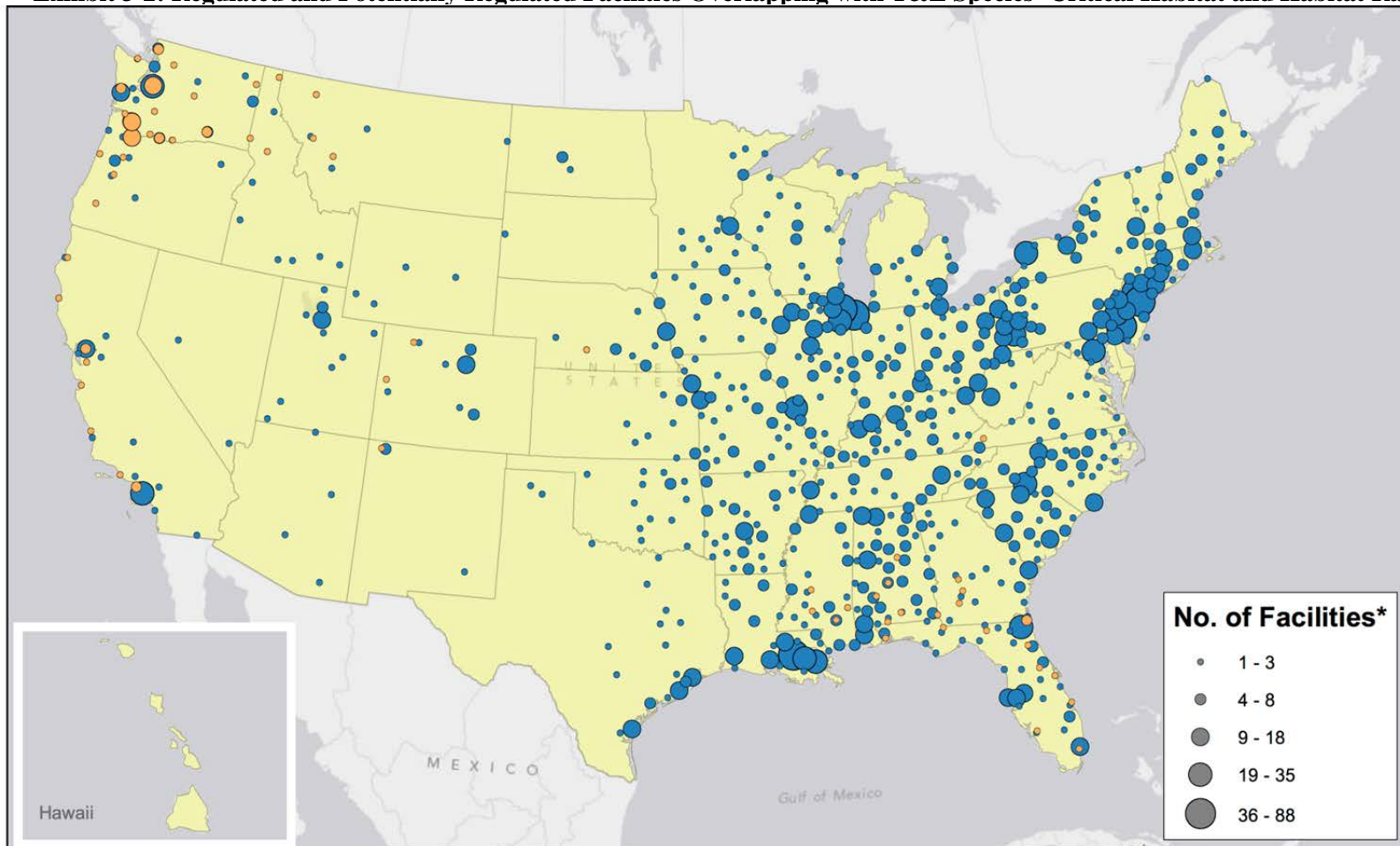
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EXTINCTION IS FOREVER

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Exhibit 3-2: Regulated and Potentially Regulated Facilities Overlapping with T&E Species' Critical Habitat and Habitat Ranges

● Cooling water intakes within the habitat range of one or more T&E species (3,111 facilities). Source: IUCN, Nature Serve, FWS and NOAA

● Cooling water intakes within Critical Habitat designated for one or more T&E species (133 facilities). Source: U.S. FWS/NOAA

Note: Facilities with cooling water intake structures overlapping critical habitat are a subset of those facilities with cooling water intakes in the total habitat range of T&E species. A total of 3,111 facilities overlap with habitat and/or critical habitat of T&E species.

*The size of the point symbols reflects the number of facilities within a 10 mile radius.