

Wayland, Joshua

From: Keller, Kevin <Kevin.Keller@hdrinc.com>
Sent: Wednesday, April 10, 2019 12:26 PM
To: Wayland, Joshua
Cc: Hemphill, Mark; Klaumann, Anthony; Nichols, Karen; Perkins, Michael; Jenna Jorgensen; Brian Barton; Floyd, Kathryn K.; 10145616_7CountyCoalitionUBR TO1
Subject: RE: UBRY Revised Wetlands Methodology and Draft Class 2 Cultural Survey Methodology

Josh,

Thanks for the comments.

We will revise the reference for parcels that we have no access to, so that the desktop portion of the methodology is clear, however we will conduct field observation of waterways, offsite of the parcel, to confirm ephemeral stream presences. So, for parcels that we cannot access it will be a combination of desktop and off-parcel field observation.

With regard to the WOUS functional assessment. We have included a description to conduct a 'qualitative functional assessment', per discussion with Jason Gipson of the USACE. The USACE Bountiful office does not have a preferred quantitative assessment protocol, rapid assessment or otherwise. While there have been some accepted protocols in the past (i.e. UDOT Wetland Functional Assessment Method, USU, 2006) for linear projects, currently the Utah office prefers a qualitative assessment, that is in compliance with Sacramento District mitigation guidelines. This qualitative assessment can be utilized to support for the 404 permit authorizations.

We will revise the wetland methodology to further describe the qualitative approach and reference the appropriate guidelines.

I'll be on planes the rest of today, but if you want to, we can talk through this tomorrow morning.

Kevin

Kevin Keller, PG
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From: Wayland, Joshua [mailto:Joshua.Wayland@stb.gov]
Sent: Tuesday, April 9, 2019 1:55 PM
To: Keller, Kevin <Kevin.Keller@hdrinc.com>
Subject: RE: UBRY Revised Wetlands Methodology and Draft Class 2 Cultural Survey Methodology

Kevin,

OEA has a couple of additional minor comments on the proposed wetlands delineation methodology. First, under the section titled "WOUS Field Delineation Methodology", we suggest revising the sentence "If property access is not granted, WOUS delineation methodology will follow procedures outlined in the subsequent section" to "If property access is not granted, WOUS delineation methodology will follow the desktop delineation methodology described below." Second, we would like to discuss if and how discussion of a functional assessment should be incorporated into the methodology, given that a functional assessment is typically required for the Section 404 permit. Please give me a call at the number below at your convenience so that we can talk these comments over.

Thanks,
Josh

Joshua Wayland, PhD
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From: Keller, Kevin <Kevin.Keller@hdrinc.com>
Sent: Friday, March 22, 2019 3:23 PM
To: Wayland, Joshua <Joshua.Wayland@stb.gov>; Diller, Elizabeth <Elizabeth.Diller@icf.com>
Cc: Hemphill, Mark <Mark.Hemphill@hdrinc.com>; Klaumann, Anthony <Anthony.Klaumann@hdrinc.com>; Nichols, Karen <Karen.Nichols@hdrinc.com>; Perkins, Michael <Michael.Perkins@hdrinc.com>; Brian Barton <Brian@jonesanddemille.com>; Jenna Jorgensen <jenna.j@jonesanddemille.com>; 'Mike Mckee' <mmckee@7county.utah.gov>; 10145616_7CountyCoalitionUBR TO1 <10145616_7CountyCoalitionUBRTO1@hdrinc.com>
Subject: UBR Y Revised Wetlands Methodology and Draft Class 2 Cultural Survey Methodology

Josh and Elizabeth,

Please find attached a revised Wetlands Delineation Methodology in response to your comments. Also attached is a draft Class 2 Cultural Resources Reconnaissance Methodology for your review.

Kevin

Kevin Keller, PG
Vice President/Senior Professional Associate

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