From: Harris, Jim (PARKS)
To: Pomianek, Kris;
cc: Heit, Ray; Smith, Michelle; Sokolowski, Rosana; Bitterman, Deborah; Hill, Courtney; Karen Kelleher; Susan Rosebrough;
Subject: RE: Entiatqua Trail
Date: Monday, August 22, 2011 5:15:39 PM

Hi Kris,

Washington State Parks is supportive of the progress being made on this initiative. The Agency continues to support the concept and are happy that the feasibility work has been able to locate a route that meets adjacent landowner needs and preliminary environmental design considerations.

I have the same concern for this project, as with most current "fish friendly" designs, as shown in the typical section detail. This shoreline bio-engineering works well for low and moderate river flow levels. They are based on the geo-physics of a meandering stream. During high velocity flows, the meandering stream removes portions of riparian areas and hence the name "meandering". In the design presented, when flow rates wash out the soil bags or overtop them and scour out the topsoil behind the bio-engineered shoreline, the anchor rocks become your only facility protection, if undermined, serious facility damage occurs. The publics recreation facilities are not disposable or temporary in value. I would suggest that all recreation developers and managers strongly urge environmental regulators to allow a coarse fractured rock layer 1'- 2' below the topsoil surface, between the anchor rock and the large shoreline rock. This provides riparian growth, with the shade needed to prevent water temperature increases and other positive functions of a riparian area, but during high flows, if the riparian is stripped away, there remains a second, stronger protective barrier, prior to damage to built facilities.

Congratulations on the progress and good luck on permitting,

Jim Harris, Eastern Region Director
Washington State Parks and Recreation Commission

-----Original Message-----
From: Pomianek, Kris [mailto:Kris.Pomianek@chelanpud.org]
Sent: Wednesday, August 17, 2011 9:56 AM
To: Karen Kelleher; Harris, Jim (PARKS); Susan Rosebrough
Cc: Heit, Ray; Smith, Michelle; Sokolowski, Rosana; Bitterman, Deborah;

Hill, Courtney
Subject: Entiatqua Trail

Good morning -

In October, 2010, FERC approved the Recreation Resources Management Plan for the Rocky Reach Reservoir. You may remember that in the plan a trail is proposed in Entiat called the Entiatqua Trail. The trail would extend from the south end of the park, under the railroad and under the highway to an outdoor learning center along the Entiat River that the City of Entiat will be building in the near future.

At the time of submitting the recreation plan, it was not clear whether we would be able to build the trail as proposed. Additional discussions needed to occur with DOT, the railroad, WDFW and the City of Entiat. In addition, an engineering study needed to be done to determine the feasibility of actually building the trail. In the order from FERC, they asked us to complete that consultation and feasibility within one year and submit it to them along with conceptual drawings, cost estimates and an implementation schedule.

All of that work is now finished and it has been determined that the trail can be built, and will be complete by Spring, 2014 (pending permits), at the cost proposed in the settlement agreement, $1.2 million (2005$).

The last piece necessary before submitting to FERC, is consultation with you. Please take a moment to view the attachments and provide me with your feedback by September 17 and if you have any questions or concerns, do not hesitate to e-mail me or give me a call.

Thank you for your help on this important component of the recreation plan.

Kris

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