



OGMCOAL DNR <ogmcoal@utah.gov>

Fwd: Tie Fork

2 messages

Todd Miller <toddmiller@utah.gov>
To: OGMCOAL DNR <ogmcoal@utah.gov>

Wed, Feb 5, 2020 at 11:00 AM

Examples of fish barriers sent to Crandall Canyon from DWR following Task #6049.

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

From: **Thomas Cook** <tcook@utah.gov>
Date: Tue, Feb 4, 2020 at 9:38 AM
Subject: Re: Tie Fork
To: Madsen, Karin <kmadsen@coalsource.com>, Todd Miller <toddmiller@utah.gov>

Karin,

Here are some pics of some rock and concrete block structures. The main thing is to try to have a 5-6 ft vertical drop and then a splash pad of some kind (rock or concrete). If fish don't have a deep pool, they can't jump.

On Thu, Jan 30, 2020 at 6:20 AM Madsen, Karin <kmadsen@coalsource.com> wrote:

TJ, I talked to our draftsman, he would appreciate some pictures of the fish barrier in Tie Fork that we discussed yesterday. When you get a chance, could you snag a couple of photos for him? Thanks.

Karin Odendahl-Madsen

Environmental Permitting Engineer

UtahAmerican Energy Inc.

435-888-4026

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TJ Cook

Impact Analysis Biologist
Utah Division of Wildlife Resources
Price Utah (435) 650-0083

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Todd Miller

Biologist/Range Scientist
Utah Division of Oil, Gas and Mining
(801) 538-5262
toddmiller@utah.gov

4 attachments



Mammoth Ck rock1.JPG
2998K



Upper Kanab Ck block.JPG
5095K



Mammoth Ck rock2.JPG
3149K



Upper Kanab Ck block, right after completion.JPG
4518K

Todd Miller <toddmiller@utah.gov>
To: OGMCOAL DNR <ogmcoal@utah.gov>

Wed, Feb 5, 2020 at 11:01 AM

Additional examples of fish barriers sent to Crandall Canyon from DWR following Task #6049.

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

From: **Thomas Cook** <tcook@utah.gov>
Date: Tue, Feb 4, 2020 at 9:39 AM
Subject: Re: Tie Fork
To: Madsen, Karin <kmadsen@coalsource.com>, Todd Miller <toddmiller@utah.gov>

Karin,

Sorry all the photos wouldn't go through in one email.

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[Quoted text hidden]

3 attachments



Clear Ck main concrete barrier.JPG
4222K



Deer Ck rock1.JPG
2858K



Deer Ck rock2.JPG
3965K