

Tammy Butterworth - Fwd: Double Barrel By-pass Alternative- Matilija Dam

From: Norma Camacho
To: Tammy Butterworth
Date: 03/22/2011 2:37 PM
Subject: Fwd: Double Barrel By-pass Alternative- Matilija Dam
Attachments: DoubleBarrelByPass. MS.3-12-11; DoubleBarrel2-27-11.jpg

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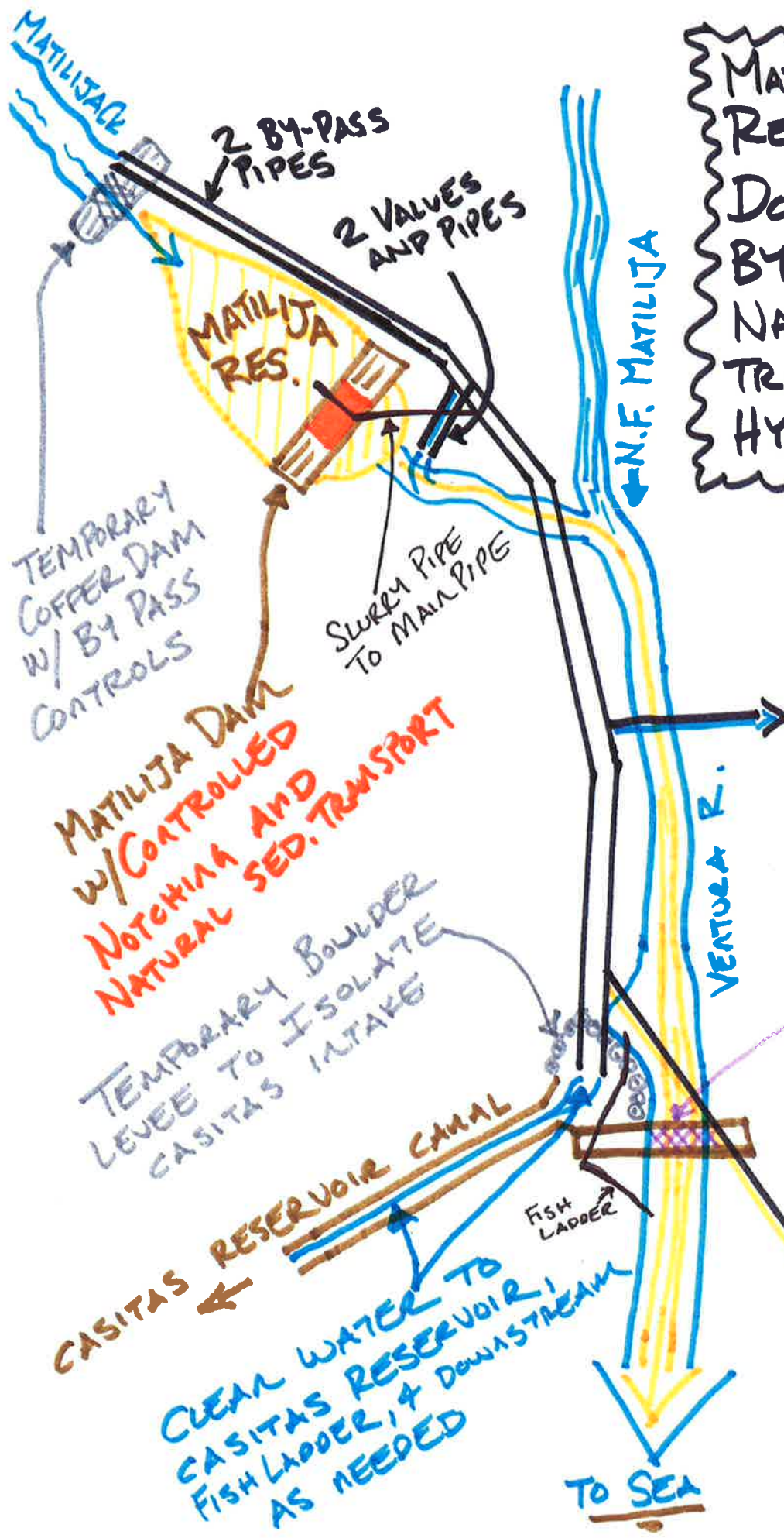
>>> "Matt Stoecker" <matt@stoeckerecological.com> 03/12/2011 11:10 AM >>>
Hello all,

At the last meeting I discussed a hybrid alternative that could provide a highly flexible alternative with some of the existing components, some new ones, and plenty of room for additional input and component consideration. This concept will be summarized in our Matilija Coalition comment letter, along with other concepts and issues.

I told several of you at the last meeting that I would provide more detail about this double barrel by-pass concept. In addition to the summary within the Matilija Coalition letter, we thought it would be good for me to send a more detailed description, drawing, and address a few of the issues raise with regards to potential impacts to fisheries impacts, water rights, water district operations, and potential re-authorization. I have tried to outline alternative components and address issues raised in more detail in the attached document.

I welcome any comments, questions, modification ideas, and brainstorming about this and other concepts.

Thanks for your review and consideration,
Matt



MATILIJJA DAM
 REMOVAL W/
 DOUBLE BARREL
 BY-PASS AND
 NATURAL SEDIMENT
 TRANSPORT / SLURRY
 HYBRID

M.S.

PIPE TO OTHER
 WATER DISTRICTS
 W/ CLEAN WATER
 IF NEEDED

PROPOSED HIGH FLOW
 BY-PASS CHANNEL
 CARRYING SEDIMENT

PIPE TO SLURRY
 TO TEMP.
 DISPOSAL
 SITE(S)

TEMP. DISPOSAL

2 BY-PASS
 PIPES

2 VALVES
 AND PIPES

MATILIJJA
 RES.

TEMPORARY
 COPPER DAM
 W/ BY PASS
 CONTROLS

SLURRY PIPE
 TO MAIN PIPE

MATILIJJA DAM
 W/ CONTROLLED
 NOTCHING AND
 NATURAL SED. TRANSPORT

TEMPORARY BOULDER
 LEVEE TO ISOLATE
 CASITAS INTAKE

RESERVOIR CANAL

CASITAS

CLEAN WATER TO
 CASITAS RESERVOIR,
 FISH LADDER, & DOWNSTREAM
 AS NEEDED

TO SEA

VENTURA R.

MATILIJJA