

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

Norma Camacho
Director
Watershed Protection District

County of Ventura
800 South Victoria Ave. L#1600
Ventura, CA 93009-1600
(805)654-2040
FAX:(805)654-3350

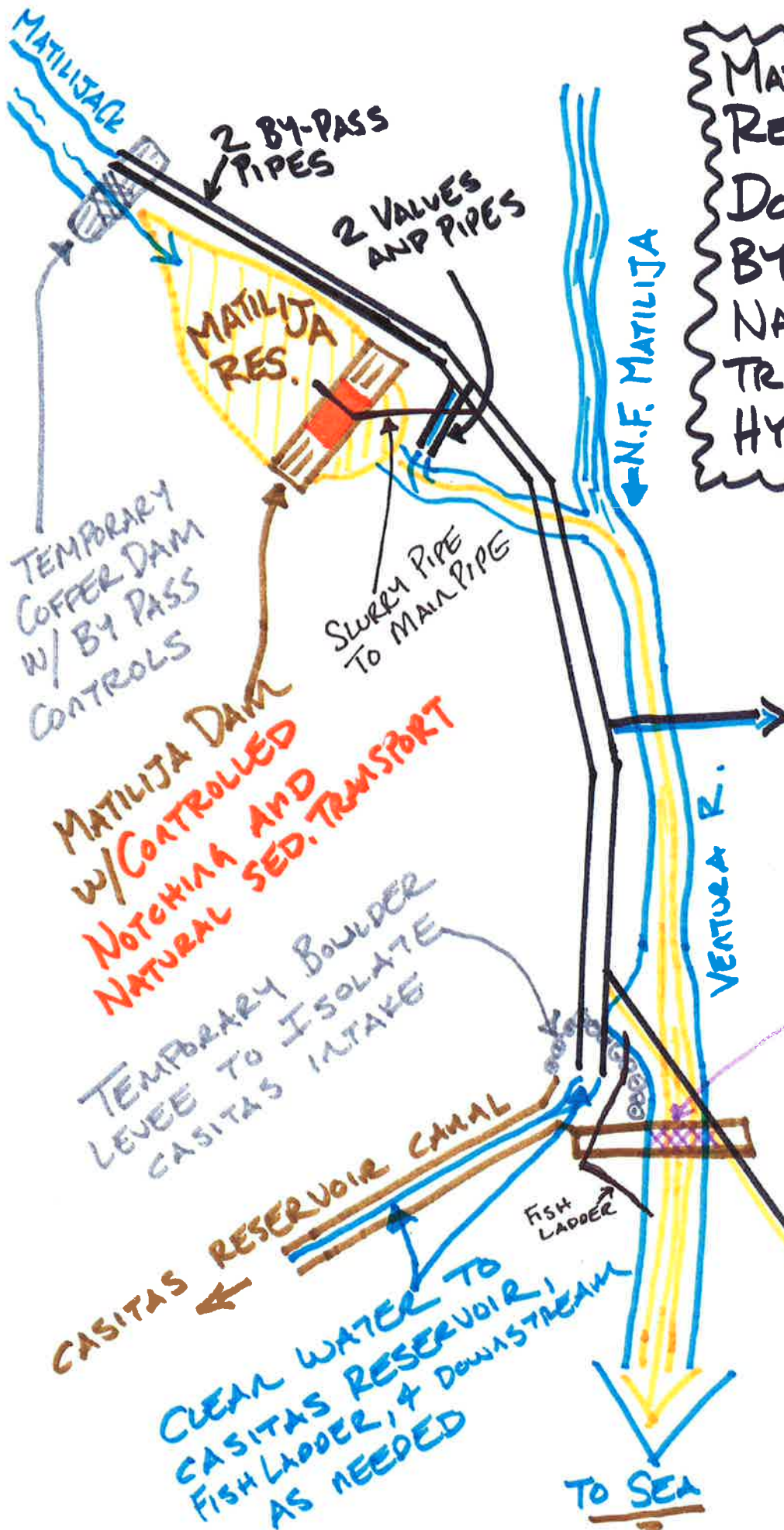
>>> "Matt Stoecker" <matt@stoeckerecological.com> 03/12/2011 11:10 AM >>>
Hello all,

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

TEMPORARY
COPPER DAM
W/ BY PASS
CONTROLS

MATILIJJA DAM
W/ CONTROLLED
NOTCHING AND
NATURAL SED. TRANSPORT

TEMPORARY BOULDER
LEVEE TO ISOLATE
CASITAS INTAKE

CASITAS RESERVOIR CANAL

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

TO SEA

VENTURA R.

VENTURA R.