

From: Mark Kirk *REJ*
To: Steven Long *NRR*
Date: 9/10/02 12:29PM
Subject: Clad Flaw Distribution for Davis Besse

Steve -

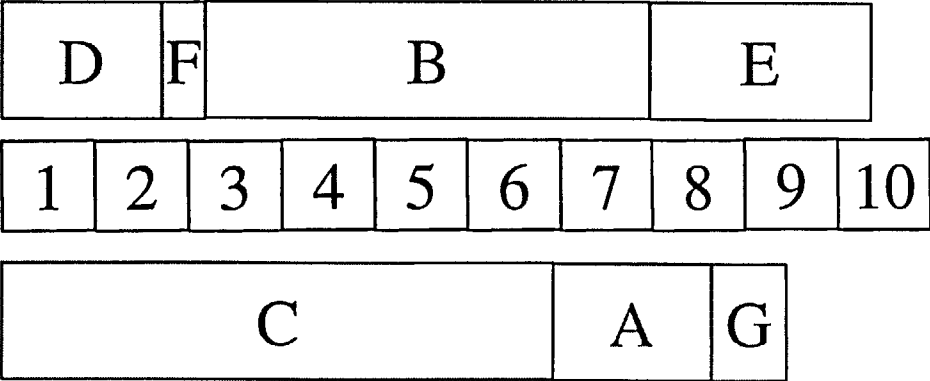
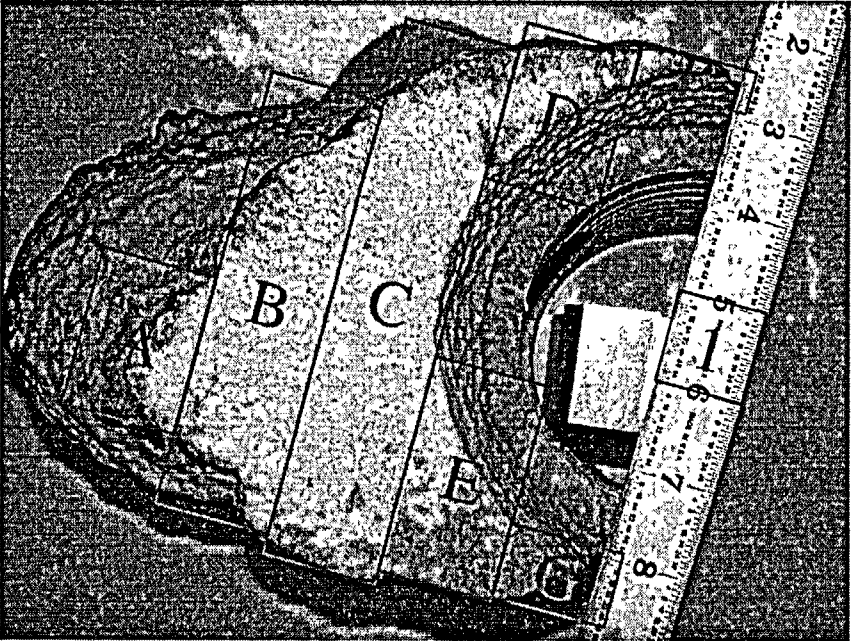
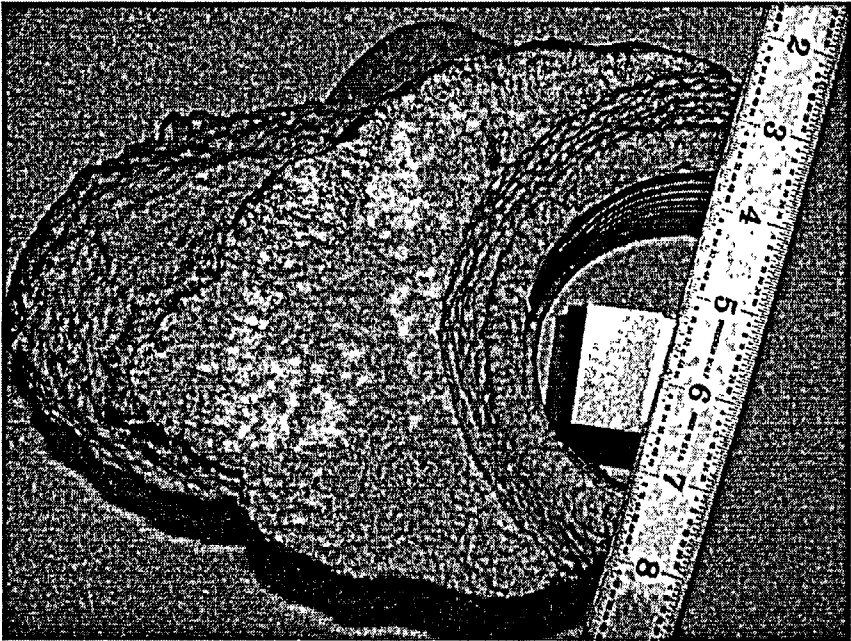
Attached please find what we feel is a much better estimated of the density / count of flaws that can be expected to occur in RPV cladding than the results of the expert elicitation that we passed to you earlier. The attached estimate is based on measurements of flaws (made by our contractors at PNNL) in the clad of an actual RPV that never saw service. As you will see from the slides, i have taken a rough cut at scaling this distribution to give an estimate of the numbers of flaws of specific depths that one could expect in the Davis Besse wastage area. Please be aware that i am in the process of improving this input, including further discussions with our contractors at PNNL, & etc. Would appreciate any thoughts you have.

Mark

CC: Allen Hiser; Bill Bateman; Michael Mayfield; Nilesh Chokshi

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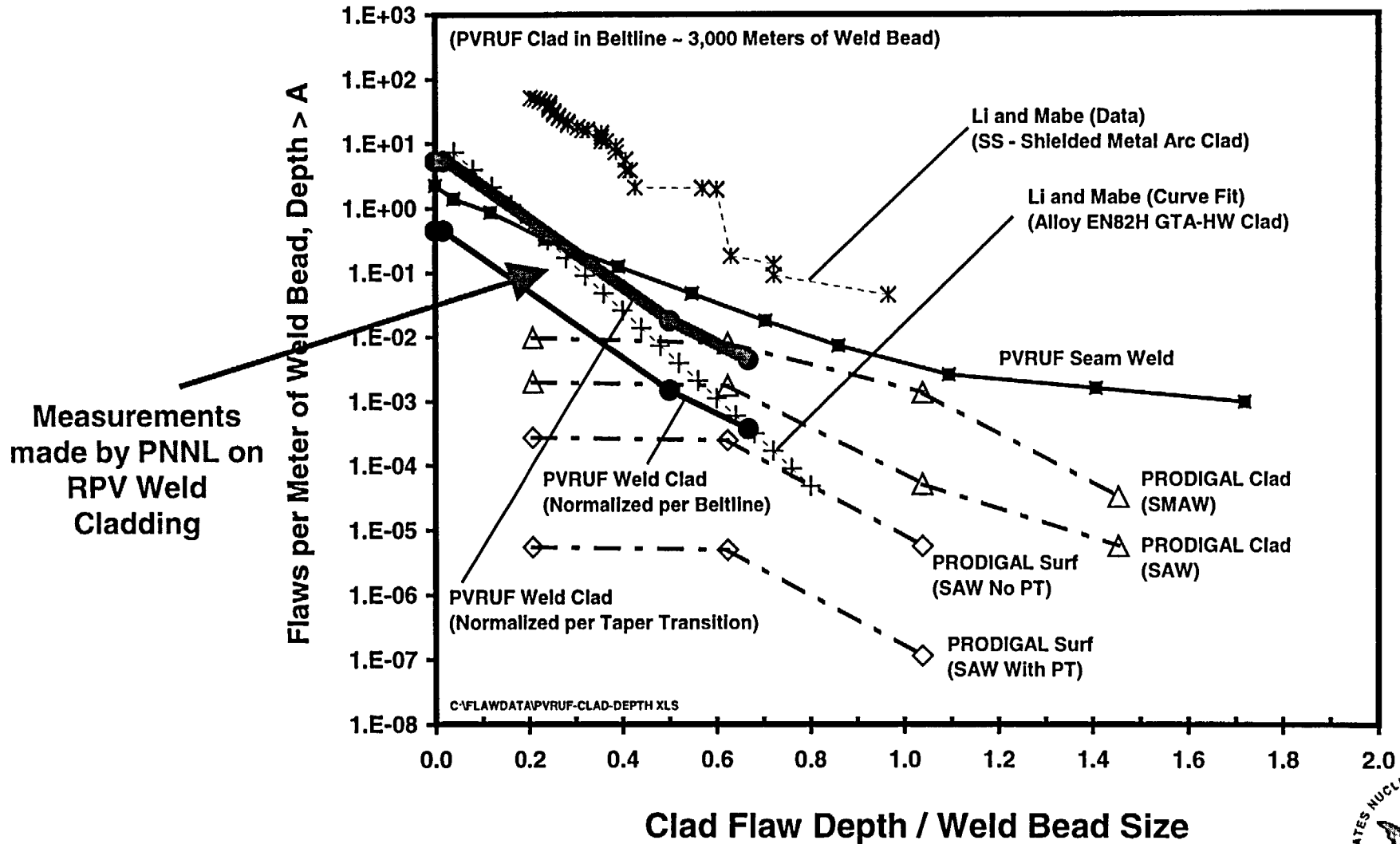
Estimate of Length of Clad Weld Bead



**Upper bound
estimate of 18-in.
(0.46m) of cladding
in wastage area**



Clad Flaws Measured in PVRUF



PVRUF Clad Flaws Scaled to Davis Besse Wastage Area

