TABLE 2.2

cHECk-RAS Report

HEC-RAS Project: *dam5diversion_final.prj*
Plan File: *dam5diversion_final.p01*
Geometry File: *dam5diversion_final.g01*
Flow File: *dam5diversion_final.f01*
Report Date: *2/22/2012*

Message ID	Message	Cross sections affected	Comments
MP SW 01DK	The name of the stream is ($streamname$). The flow regime is subcritical or mixed flow. Starting water-surface elevations are computed from Known WSELs as the downstream boundary condition. Provide backup information on Known water-surface elevations or use same energy slope for all the profiles as the starting boundary condition and rerun the plan.		Known WSEL established per culvert headwater analysis described in Additional Explanation document for MT-2 Form 2.
NT RC 05	The left overbank n-value of $nlob$ and the right overbank n-value of $nrob$ are less than or equal to the channel n-value of nch. Follow the procedure in (FHWA, 1984) to compute the n-value for the natural floodplain and the channel. Or follow the procedure in (USGS, 1977) to compute the n-value for urban development. Please submit supporting information on the evaluation of n-values.	60; 100; 120	N-values of 0.045 and 0.03 for lined and un-lined portions, re-spectively, of the side slopes and over banks are appropriate based on expected post-project conditions that will consist of a roughly graded channel with armored banks.
XS DC 02	Constant discharge used for the entire profile for $assignedname$ flood. At least two discharges should be selected; one at the mouth and the other at the middle of the watershed or above the confluence of a tributary. Or provide explanation why only one discharge should be used. Other flood frequencies should also be checked.		Due to braided nature of stream channel and absence of existing tributary inputs, only one constant discharge value should be used.
XS SW 01DK	The name of the stream is $streamname$. The flow regime is subcritical or mixed flow. Starting WSEL is computed from Known WSEL as the downstream boundary for $Assigned_Name$ flood. Provide backup information on Known WSEL or use energy slope as the downstream boundary.	0	Known WSEL established per culvert headwater analysis described in Additional Explanation document for MT-2 Form 2.