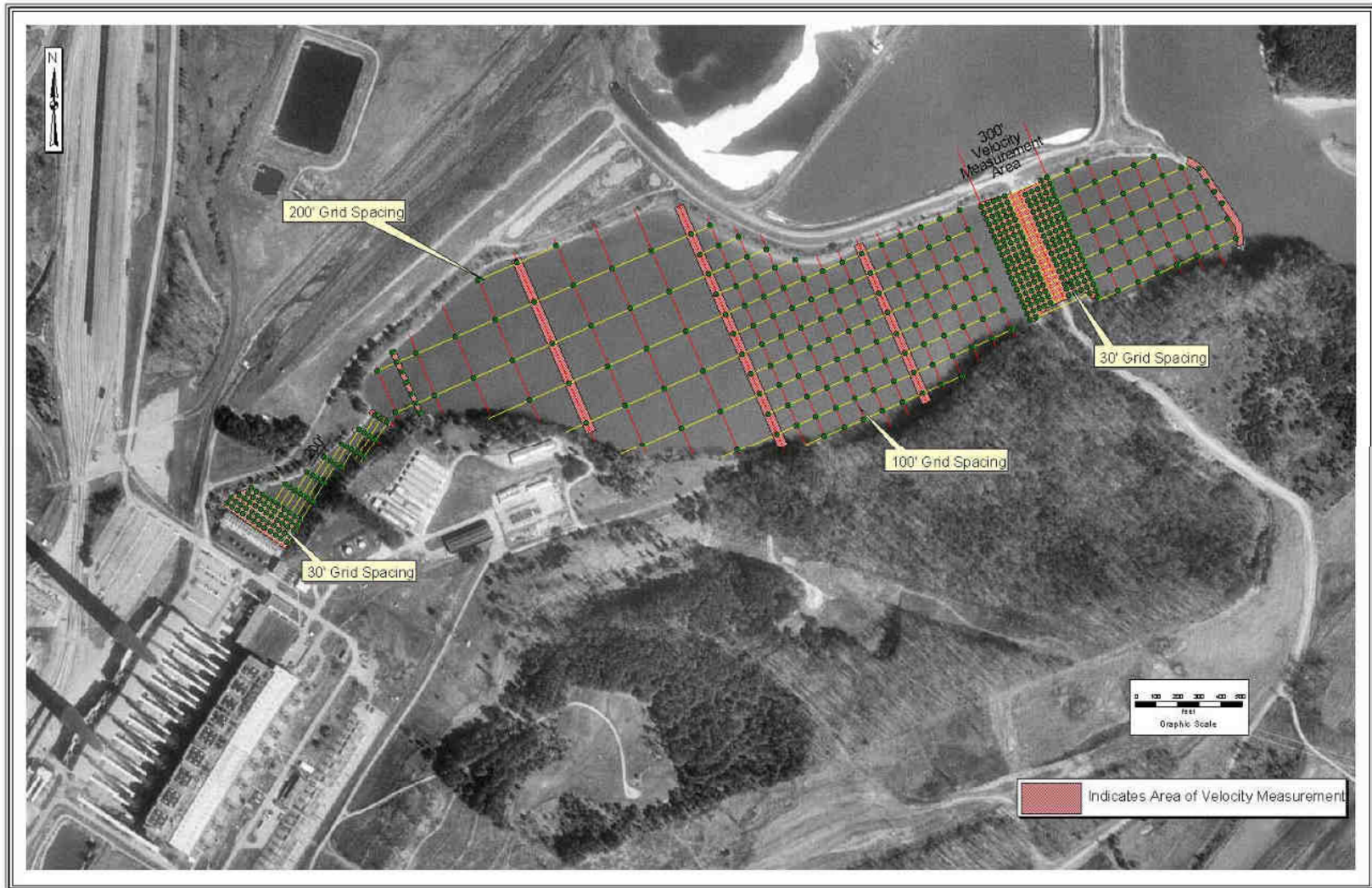
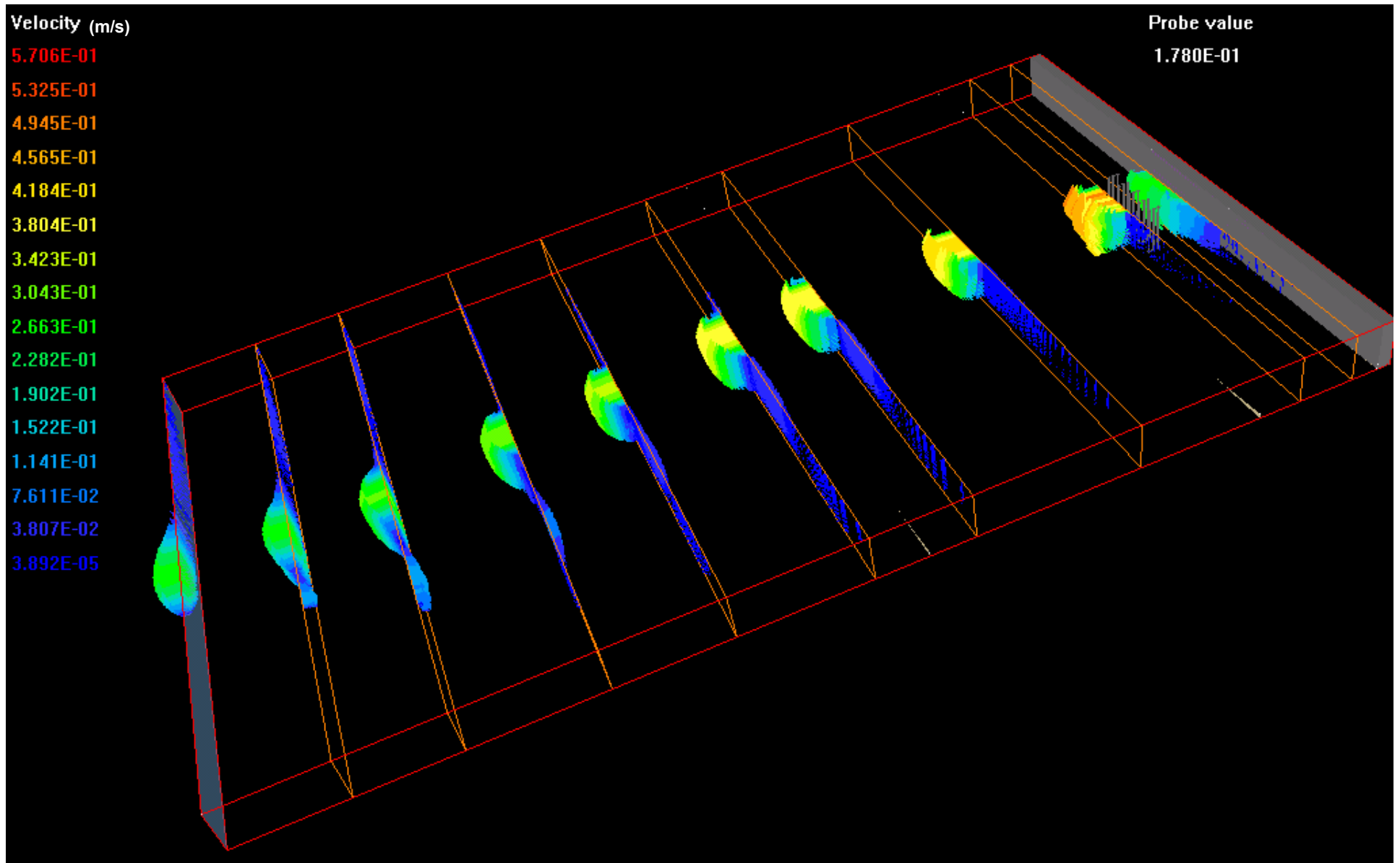


# **Multi-Port Diffuser Kingston Fossil Plant**

# Survey at KIF intake Channel

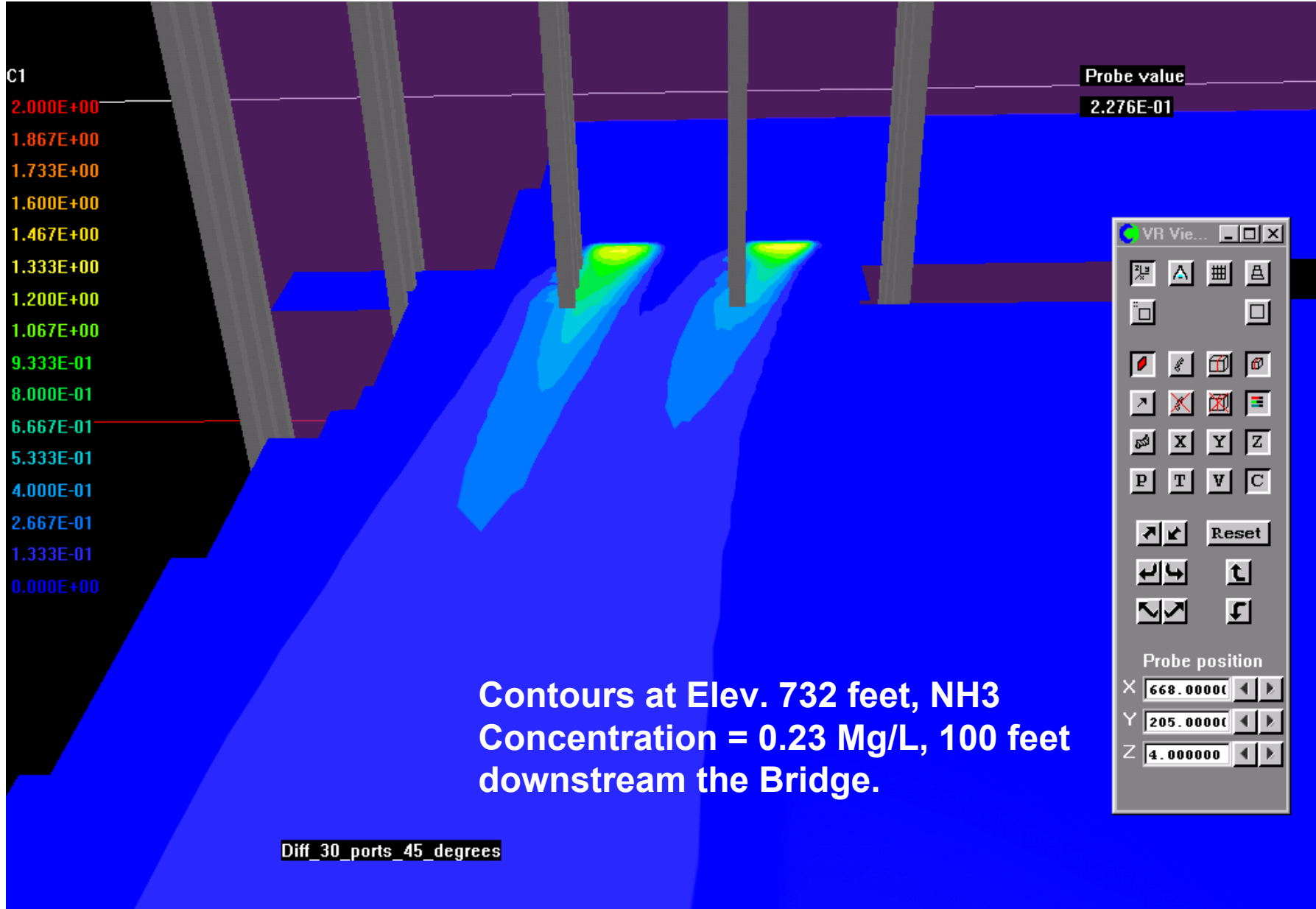


# Velocity Vector taken at Several Intake Channel Sections

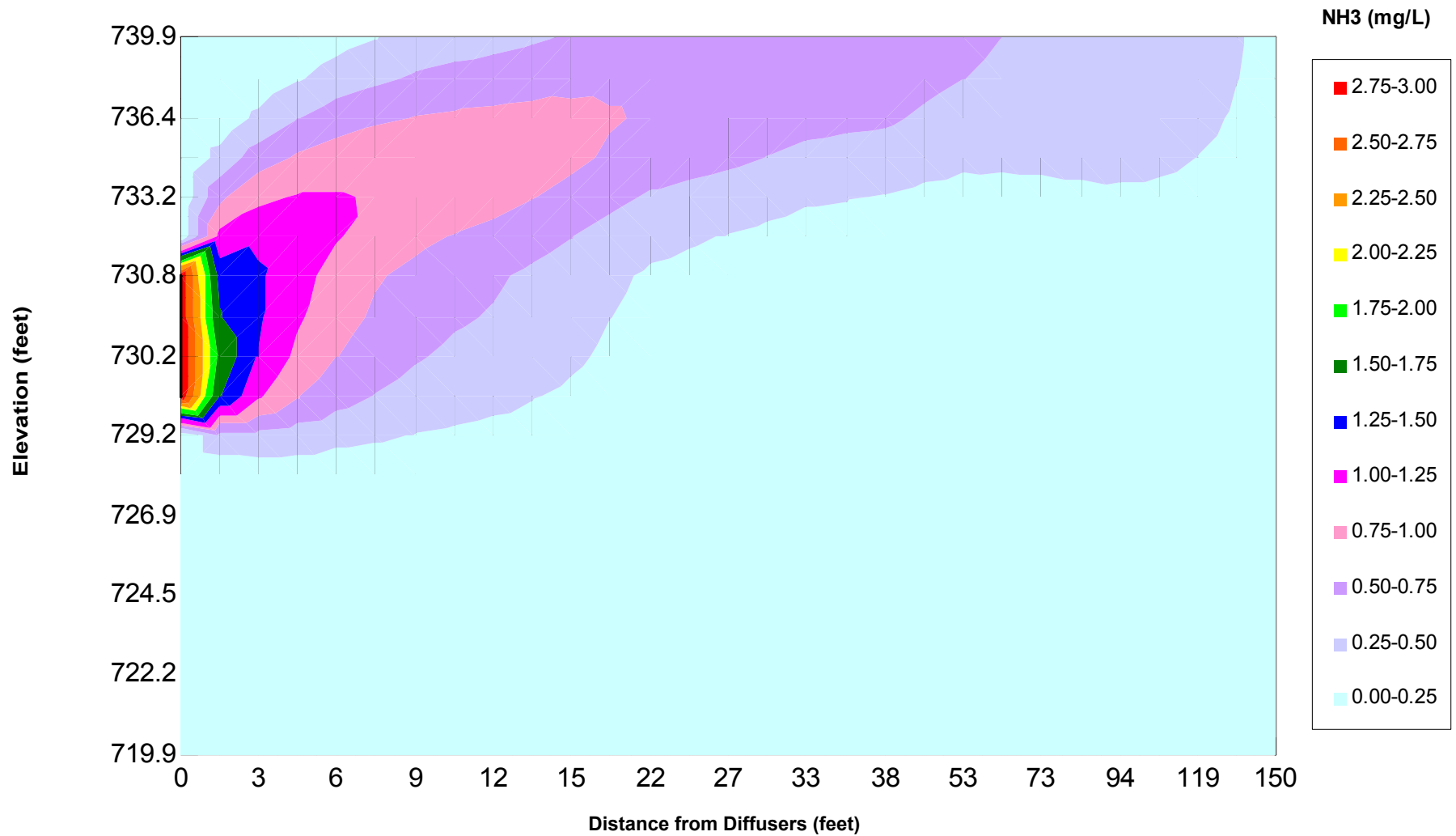




# Diffusers Angled at 45 degree, Instantaneous Mixing



# Computed NH<sub>3</sub> Concentrations Downstream of KIF Diffusers



# Construction Started in October 2003



**Before (11-2002)**



**During (10-2003)**



**After (01-2004)**



**“At an estimated price of \$500,000, Deskins (KIF plant Manager) says the main advantage of this proposal, besides being environmentally friendly, is the cost savings — \$7.5 million at most or at least \$3.5 million”. (Inside TVA, August 2003)**