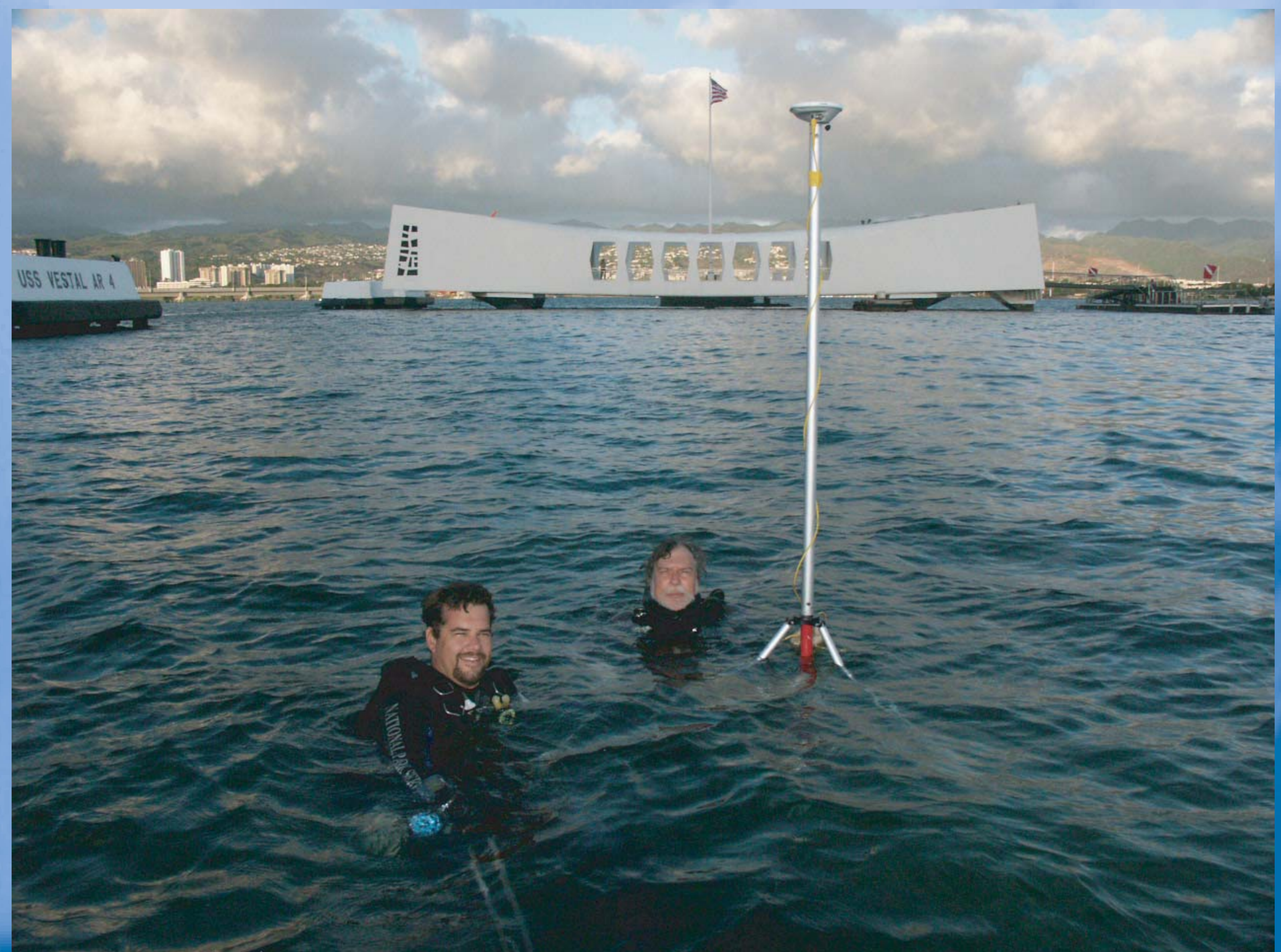




USS Arizona: Mapping in 2001

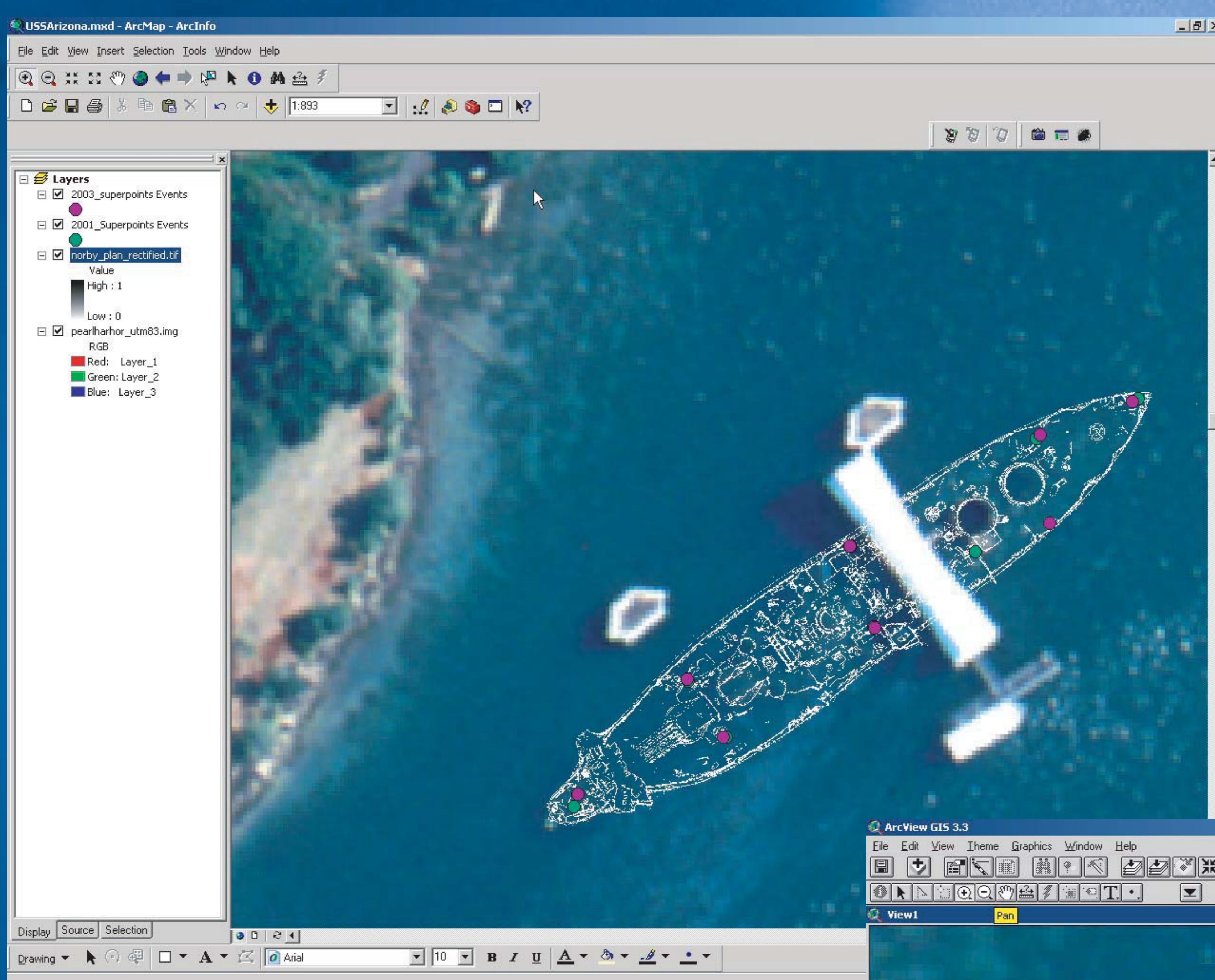


Using a specially designed underwater tripod and extension poles, a GPS antenna could be held above a survey point.



Larry Murphy and Randy Burbank survey a point on the bow of Arizona. USS Arizona Memorial is seen in the background. (NPS Photo by Tim Smith)

Using ERDAS IMAGINE imaging software, the NPS GIS office in Colorado utilized the coordinates of the points to geo-rectify the scanned 1980s map and original ship construction plans. After the images and maps were rectified, they were overlaid in ESRI's ArcInfo. NPS then delivered these data sets to Northrop Grumman engineers for continued development of the GIS, where they vectorized and attributed all of the original ship plans for use in ESRI's ArcIMS software.



Rectified ship plans showing 'super-points'. (NPS)



Rectified ship plans. (NPS)