The Crash Site Debris Recovery Mobile Application is a prototype Windows Phone Application designed to assist crash investigators, first responders, and clean-up crews to locate aircraft crash debris in ground impact crash situations.

With the user inputs and the GPS location of the phone, the app performs a debris trajectory analysis for the crashed aircraft and reports the results to the user. The user has the option of saving the results to the phone’s memory for later use. Then, utilizing a geoprocessing service, the results are processed and a projected debris field is displayed. Additionally, the phone’s GPS location and an Esri basemap are displayed on the screen to assist the user in navigating the debris field.

The user is able to select the type of aircraft that was involved in the crash. From this selection, the app loads a series of specific aircraft attributes for use in projecting the debris field.

The user enters the speed, directional heading, and angle of descent of the aircraft at the time of the crash. The app automatically populates the speed of aircraft field with the cruising speed of the selected aircraft.

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For more information visit: www.mojavedata.gov/crash.html