Impact Minerals has completed a three-month exploration campaign 200km east of Kalgoorlie-Boulder the company says will be the basis of a drilling program.

The explorer has been scouring its combined nickel-gold Mulga Tank project in recent months.

The company said on Tuesday its extensive survey campaign was complete and preliminary results provided a greater understanding of the resources at the site.

Impact said the magnetic and radiometric survey covered the entire 425sqm project site and had provided four times the detail of previous surveys.

The explorer said this was particularly important for the Mulga Tank Dunite, a large magnetic feature buried under 50km of sand.

The company also said the combined ground and airborne electrical survey was designed to give a greater geological clarity of the area by identifying metasedimentary rocks containing massive iron sulphides.

Impact said it was important to identify these metasedimentary rocks distinctly as they could generate false flag signals in other surveys designed to pinpoint nickel sulphide deposits.

The results of the combined ground and airborne are expected in two weeks.

The company also collected a total of 2500 soil geochemistry samples from the project area, which will be sent to assay next month.

Of these samples, 1000 were from the Mulga Tank Dunite, and 1500 were from the Panhandle Prospect, north-west of the main magnetic feature.