

Checklist for Ground Penetrating Radar (GPR) Operating Procedures

Project Name: _____

Project Location: _____

Point of contact: _____

Reviewer's Name and Title: _____

Date of Review: _____

	Y	N	N/A
a. Are there any sources of unwanted noise in the near vicinity? i.e. Mobile Telephones 460-960MHz, FM broadcasts 81-108MHz and Television 60-70 MHz and 650-800MHz	_____	_____	_____
• Has precautions been taken to minimise the egress of ambient noise i.e. the use of shielded antenna?	_____	_____	_____
b. Are the skid pates in good condition?	_____	_____	_____
c. Have suitable measures been take to ensure good antenna coupling with the ground?	_____	_____	_____
d. Is the sampling frequency appropriate for the antenna? (Consult instrument manual)	_____	_____	_____
e. Has a common time zero (t ₀) been set?	_____	_____	_____
f. Is the odometer wheel calibrated correctly?	_____	_____	_____
g. Has a suitable velocity for the soil/overburden been selected?	_____	_____	_____
h. Has the gain been set to enhance reflectors at grater two-way travel times?	_____	_____	_____
i. Are GPS or Total Station positions being recorded?	_____	_____	_____
• Has position accuracy and precision been assessed?	_____	_____	_____
• Has a precision threshold been set? Will the operator be notified if the precision fall below the threshold?	_____	_____	_____
j. Were battery levels checked and recorded?	_____	_____	_____