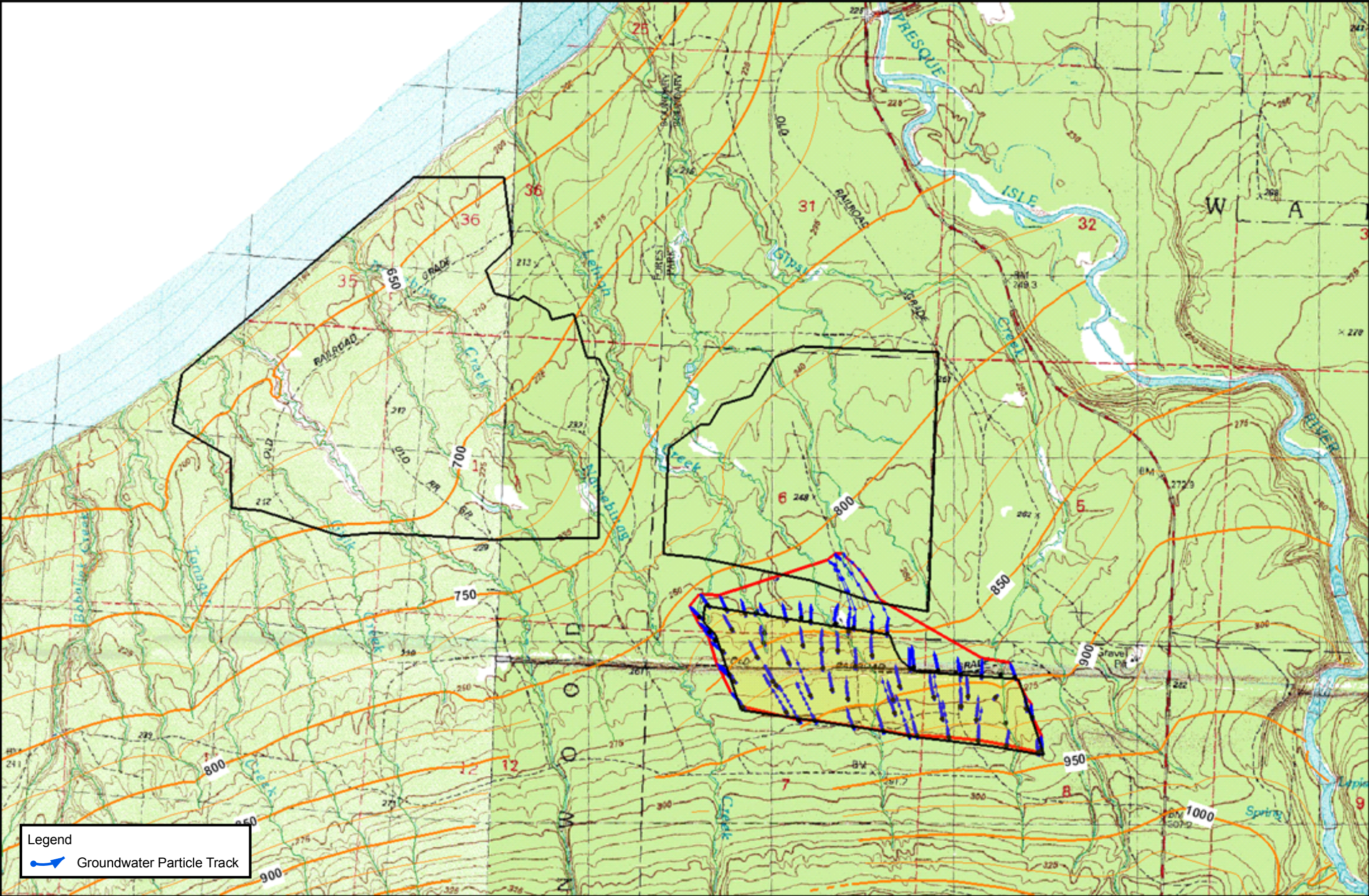


**CALCULATED EXTENT OF GROUNDWATER PARTICLE MIGRATION
FROM TDF (500 YEARS POST-CLOSURE)
ORVANA RESOURCES US CORP.
COPPERWOOD PROJECT
GOGEBIC COUNTY, MICHIGAN**



Legend
Groundwater Particle Track

1 inch = approximately 1,700 feet

Drawn:	GMB	8/30/2011
Approved:	ARB	8/30/2011
Scale:	APPROXIMATE	
PROJECT NUMBER	60179066	
FIGURE NUMBER	202.5.2-4	