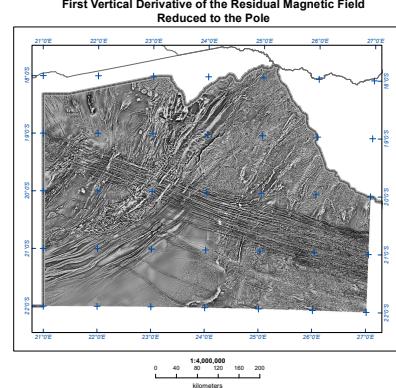
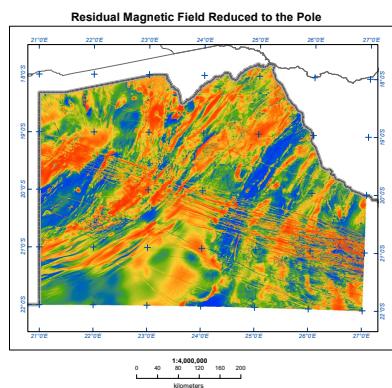
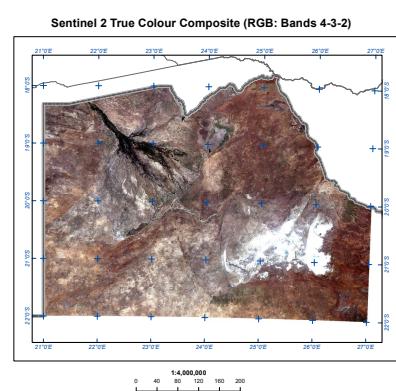
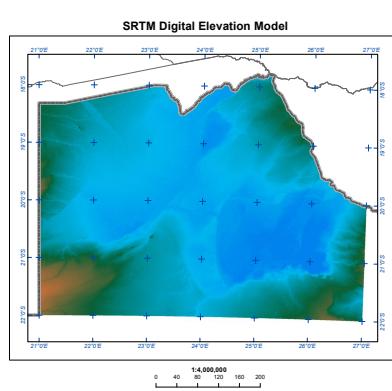
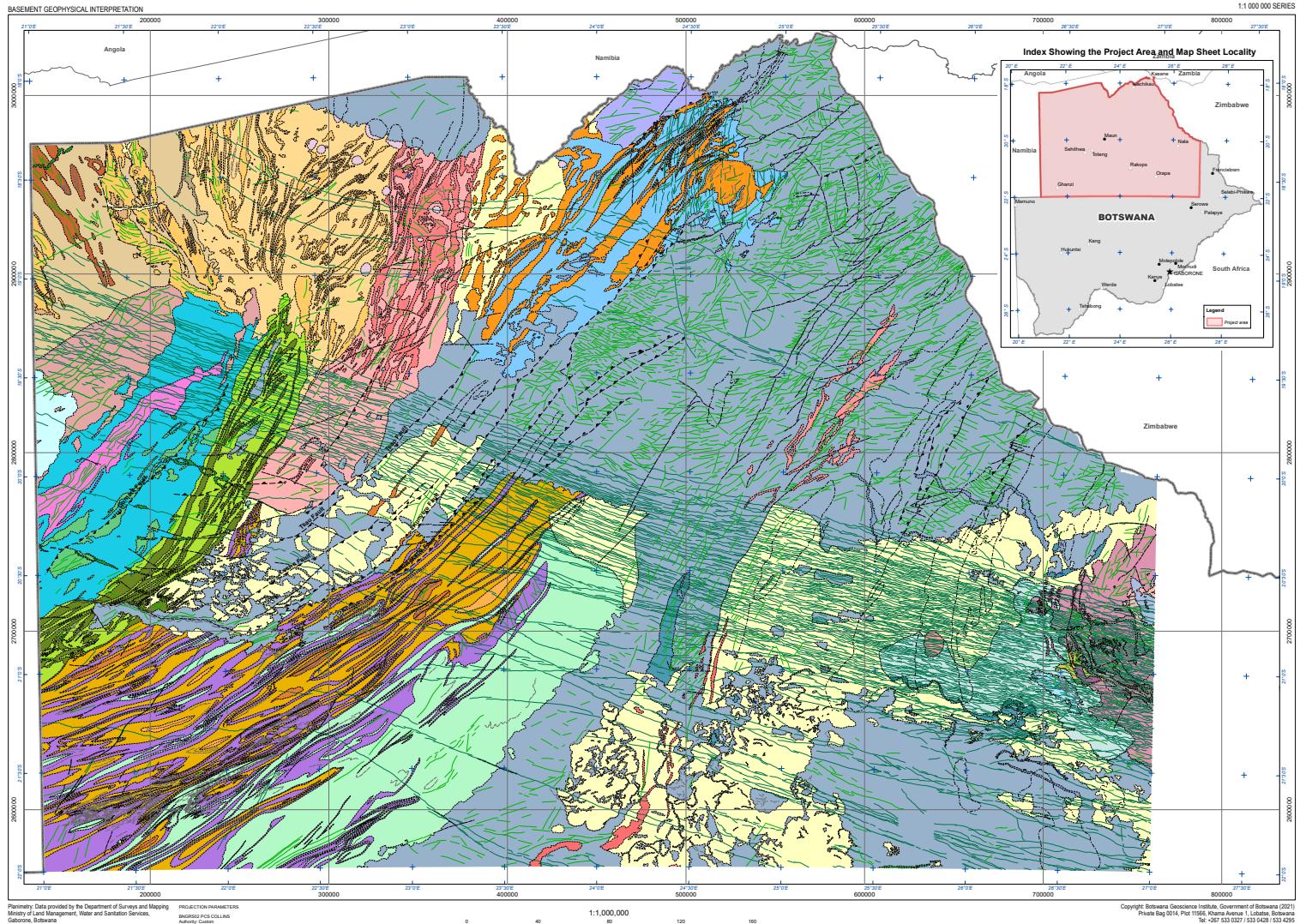


**BASEMENT GEOPHYSICAL INTERPRETATION**  
**NORTHERN BOTSWANA**



Lithology	Formation	Group	Supergroup	Age
Dolomite				
Unconformable intrusive and/or extrusive Karoo dolomite and basal	Karoo dolomite			EARLY JURASSIC
Laterite				
Laterite fissile				
Flood basalt, variably amygdaloidal with minor authigenic sedimentary interbeds and lenses	Undifferentiated			
Yellow				
Yellow dolomite with dolomitic interbeds with reddish dolomite	Lethabo	Karoo		UPPER TRIASSIC TO EARLY JURASSIC
Pink grey, non-carbonaceous dolomite, mudstone and thin limestone	Bauroft			PERMO-TRIASSIC BOUNDARY
Red				PERMIAN
Infrabasaltic coal, carbonaceous dolomite and mudstone and white, poorly cemented carbonaceous dolomite and rare dolomite	Ecca			PERMIAN
Low-grade metasedimentary rock comprising dolomite, ironstone, dolomite, dolomite, conglomerate, and quartzite	Xaudum			NEOPROTEROZOIC TO EARLY CAMBRIAN
Ironstone				
Unknown				
Inferred felsic intrusive	Aha hills			NEOPROTEROZOIC TO CAMBRIAN
Chert-dolomite and dolomite	Chibabdam Complex	Kosaka		?
Greenish dolomite and dolomite	Robok			NEOPROTEROZOIC
Amphibole, magnetite-schist and quartzite;				
metamorphic rocks	Chirambwa Hills			
Amphibole and magnetite-schist	Manono			
Undifferentiated weakly metamorphosed sedimentary and volcanic rock	Gondwana	Gondwana		
Carbonate-bearing aluminosilicate sedimentary rock	Gondwana	Gondwana		
Well-bedded, fine- to medium-grained arkosic sandstone, arkosic dolomite, and dolomite	Hwange Pan			
Parallel-laminated pre-green dolomite and mudstone with interbedded dolomite	Gohle Hills	Sinclair		MESOPROTEROZOIC TO NEOPROTEROZOIC
Wacke, arkose, which are locally interbedded with pebbly layer and granular dolomite. Tan to pink sandstone with interbedded dolomite. Some dolomite layers contain dolomite interbeds. Some dolomite layers contain dolomite interbeds near the top of the formation.	Ngwenya Pan			
Metavolcanic (quartz porphyry with subordinate pyroxenite) flow deposits	Kgwebe			
Metavolcanic (quartz porphyry with subordinate pyroxenite) flow deposits	Kgwebe			
Epikarstic and tuffaceous sedimentary rock and sandstone, grit, gravel, and dolomite	Xade Complex			MESOPROTEROZOIC
Dolomite, dolomite, basal	Kwando Complex			
White, grey, granite, amphibole-granite, migmatite and metasediment	Tedzidzi Hills			
Amphibole-granite and metasediment	Quargendium Complex			
Perigranite and metasediment, quartz-mica-schist	Sebacha			PALEOPROTEROZOIC
Metasediment, metavolcanic, minor shale, phyllite, sandstone	Lepape			
Metasediment	Matlalama			
Banded iron formation	Thulamela			
Granite and gneiss	Jankie gneiss			
Metasediment and metasedimentary rock	Mosetse River Complex			
Schist banded ironformation and minor assemblage bodies.	Matlalama			PALEOPROTEROZOIC TO ARCHEAN
Metasediment, pelitic schist, dolomite, and quartzite				
Limestone, pelite and dolomite				
Calcareous dolomite, dolomite, minor pelitic and orthoquartzite (foliation)				
Metasediment with amygdaloidal structures; metadolomite, amphibole, and metapelite; metapelitic schist; metagranite; metadolomite; metachlorite schist; intercalated dolomite and orthoquartzite horizons				
Pelitic schist, intercalated dolomite and orthoquartzite				
Pelitic schist, dolomite, and quartzite with dolomite				
Undifferentiated grey to light grey dolomitic dolomite of medium grained dolomite rock with biotite-rich layers alternating with light grey leucocratic rock				
Metapsammite				
Used pelitic, migmatite and gneiss with subdrift				
Metasediment, pelitic schist, dolomite, and quartzite				
Gravitoid and migmatitic gneiss with subdrift intercalations of metasediments, serpentinite and amphibole				
Metasediment, pelitic schist, gneiss and chloritic schist and amphibole				
Structure				
Geological boundary inferred				
Fold axis				
Basement (Pre-Karoo) geological boundary				
Basement fault inferred				
Normal fault inferred				
Antiform				
Shear zone inferred				
Dolomite dyke				
Syncline				