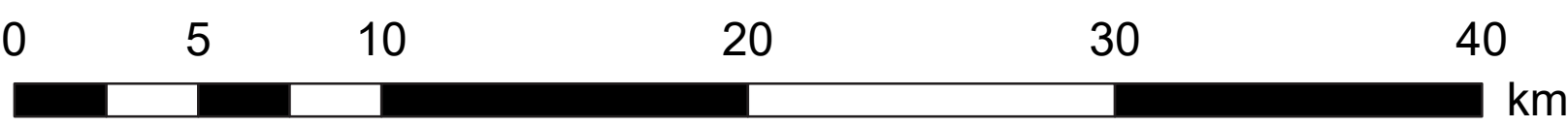


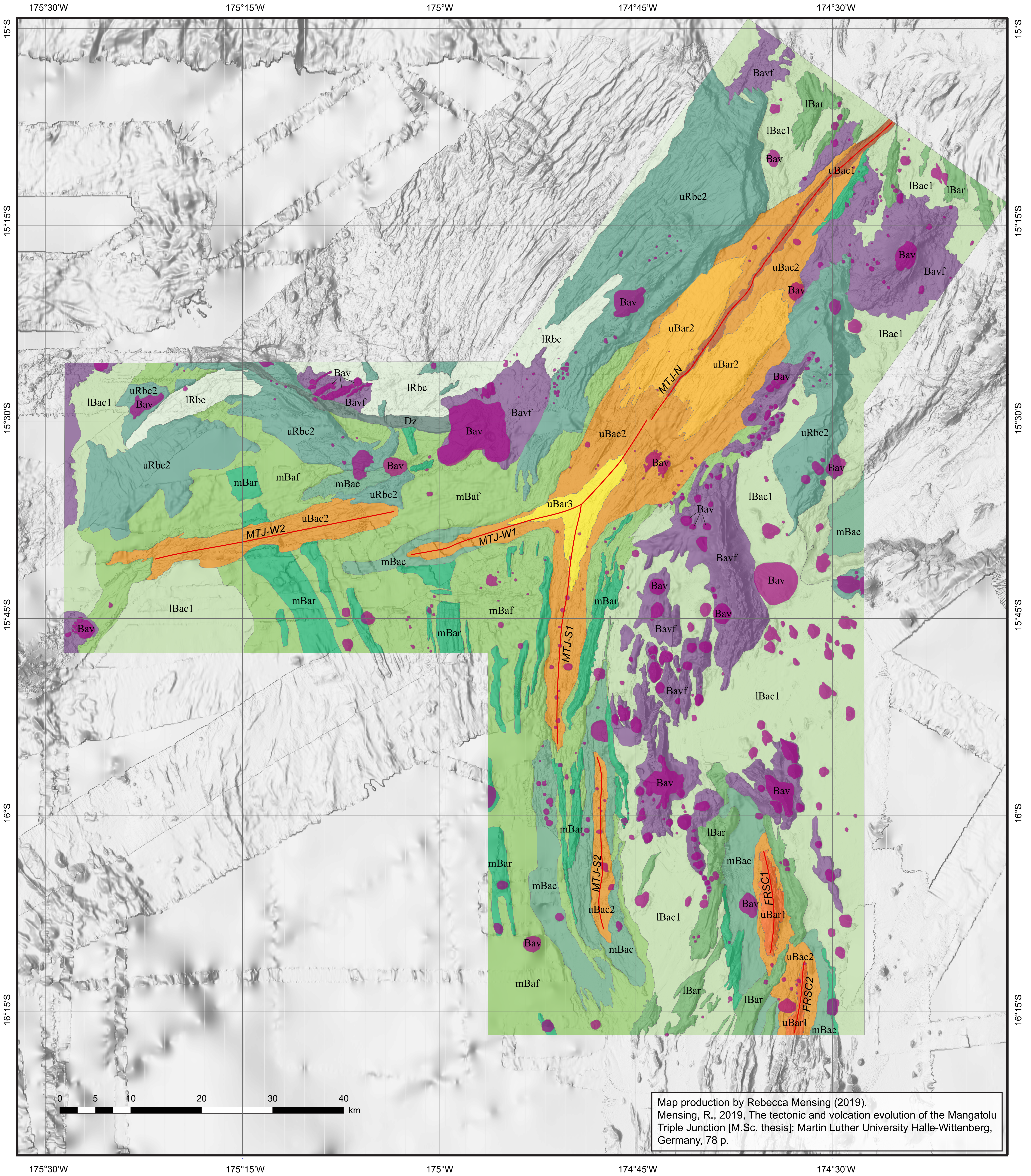
Geological Map of the Mangatolu Triple Junction

2019

Scale 1:200 000



LABEL		UNIT NAME AND DESCRIPTION	
BACKARC VOLCANOES			
<div>Bav</div>	Volcano	A cone-shaped, mound-shaped, steep-sided, or elongate volcanic edifice composed mostly of lava flows extruded onto backarc crust or onto an axial volcanic ridge	
<div>Bavf</div>	Volcanic field	A broad area of lava flows and volcanoclastic material surrounding a number of closely-spaced volcanoes	
BACKARC RIFTS AND SPREADING CENTERS			
Upper			
Axial backarc volcanic ridge (uBar)			
Volcanic ridge marking the active spreading center, commonly with discrete volcanic edifices (cones and domes), dike complexes, or calderas			
<div>uBar1</div>	Axial volcanic ridge	Elongate volcanic edifice along the spreading axis	
<div>uBar2</div>	Inner rift rise	Region of magmatic inflation along a spreading center or single arm of a triple junction	
<div>uBar3</div>	Central volcanic rise	Region of magmatic inflation at the center of a triple junction	
Axial backarc crust (uBac)			
Undivided backarc crust in the axial or inner rift valley of an active spreading center			
<div>uBac1</div>	Axial rift valley	Backarc crust along the spreading axis	
<div>uBac2</div>	Inner rift valley	Backarc crust in the inner rift valley bounded by active, inward-dipping faults	
Middle			
<div>mBar</div>	Proximal volcanic or tectonic ridge	Elongate volcanic edifice or coalesced ridges in the outer rift valley or on the flank, adjacent to an active spreading center or axial volcanic ridge	
<div>mBac</div>	Proximal backarc crust	Undivided backarc crust in the outer rift valley, adjacent to an active spreading center or axial volcanic ridge (may include products of off-axis volcanism)	
<div>mBaf</div>	Backarc rift flank	Undivided backarc crust on the flank of the outer rift valley, including volcanic ridges, volcanoclastic material, and flows (may include products of off-axis volcanism)	
Lower			
<div>lBar</div>	Distal volcanic ridge	Elongate volcanic edifice or coalesced ridges on distal backarc crust (may include products of off-axis volcanism or earlier seafloor spreading from a distant ridge;commonly obscured by volcanoclastic cover)	
<div>lBac1</div>	Distal backarc crust	Undivided backarc crust beyond the outer rift valley and flank of an active spreading center (may include products of off-axis volcanism)	
RELICT BACKARC			
Upper			
<div>uRbc1</div>	Upper relict backarc crust	Undivided backarc crust outside an identifiable area of active spreading (may be a product of intraplate volcanism, rifting of earlier backarc crust, or an unknown spreading center). <i>Unit shown in 1:1 million map of the Lau Basin but not in Mangatolu Triple Junction map sheet</i>	
<div>uRbc2</div>	Tectonized relict backarc crust	Intensely deformed backarc crust outside an identifiable area of active spreading	
Lower			
<div>lRbc</div>	Lower relict backarc crust	Earliest exposed extrusive and intrusive rocks in the backarc and outside an identifiable area of active spreading	
SYMBOLS			
<div></div>		Spreading center	



Map production by Rebecca Mensing (2019).
Mensing, R., 2019, The tectonic and volcation evolution of the Mangatolu Triple Junction [M.Sc. thesis]: Martin Luther University Halle-Wittenberg, Germany, 78 p.