



Between 515 and 480 Ma magmatic, metamorphic and deformational events are remarkably scarce. However, in this time span magmas evolved within the crust becoming more acid and K-rich. Zircons which had formed in the first magmatic phase (volcanic events within the uppermost, Early Cambrian parts of the Puncoviscana Formation) are found in Middle Ordovician granitoids of the Sierra de Cachi (LORK et al. 1991). They can be deduced from the melting of Puncoviscana Formation volcano-sedimentary rocks within the Middle Ordovician magmas, but they can be simple relics of the Middle Cambrian magmas as well.

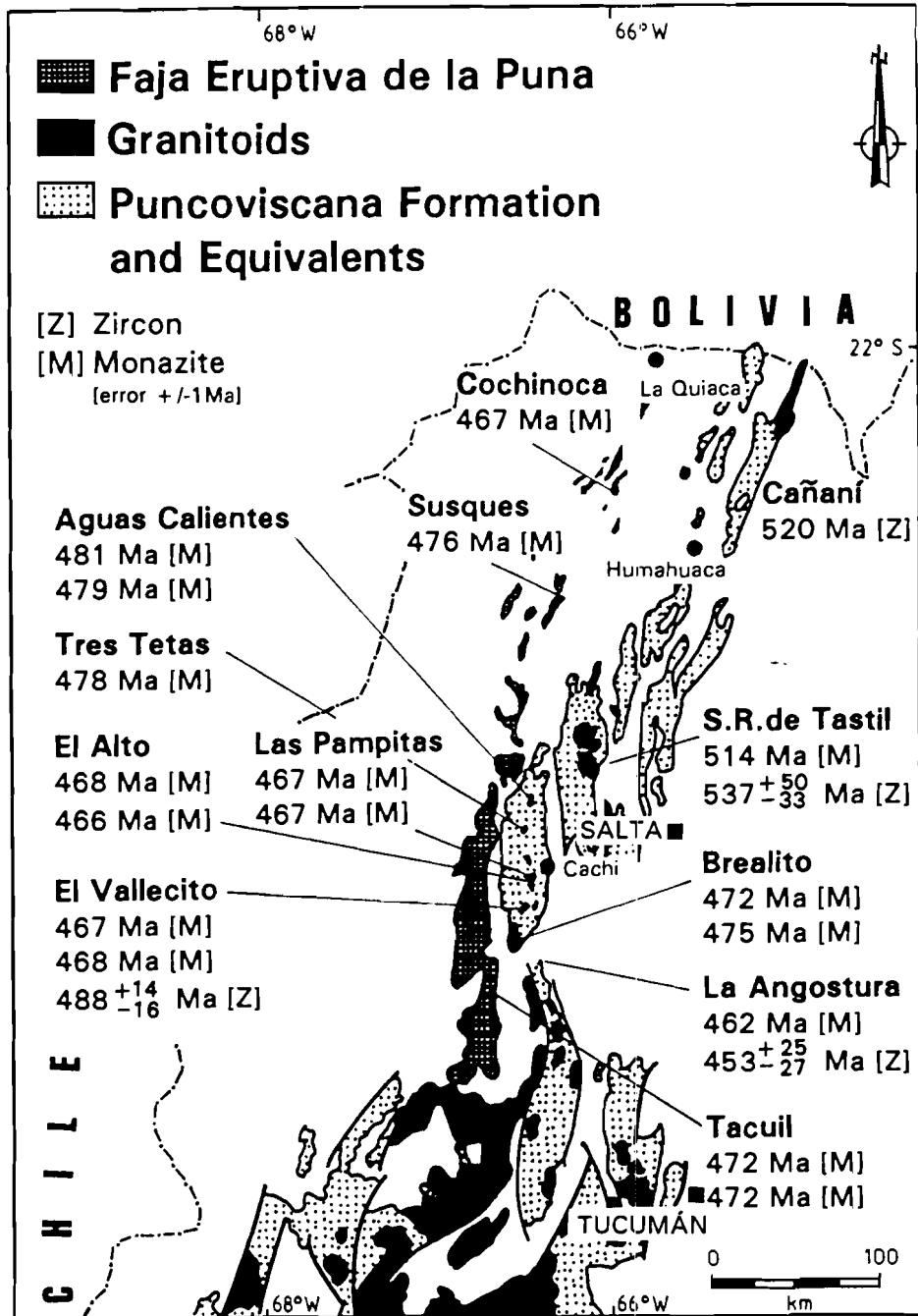


Fig. 1. U-Pb ages of the Cordillera Oriental and Faja Eruptiva de la Puna; partly unpublished data by kind permission of A. Lork.



- Willner A.P., Lottner U.S. & Miller H. 1987. Early Paleozoic structural development in the NW Argentine basement of the Andes and its implication for geodynamic reconstructions. *Gondwana Six, Geophys. Monogr.*, 40, 229-239.