

***Gems & Gemology* Data Depository**

Supplementary photos to accompany the article: Schwarz D., Pardieu V., Saul J.M., Schmetzer K., Laurs B.M., Giuliani G., Klemm L., Malsy A.-K, Erel E., Hauzenberger C., Du Toit G., Fallick A.E., Ohnenstetter D. (2008) Rubies and Sapphires from Winza, Central Tanzania. *Gems & Gemology*, Vol. 44, No. 4, pp. 322–347.

Category: Mining eluvial/primary deposits



Figure DD-1. View of Winza gem mining area, April 2008. Photo © V. Pardieu/GGL.



Figure DD-2. View of Winza gem mining area. Photo © V. Pardieu/GGL.



Figure DD-3. View of Winza gem mining area. Photo © V. Pardieu/GGL.



Figure DD-4. View of Winza gem mining area. Photo © V. Pardieu/GGL.



Figure DD-5. View of Winza gem mining area. Photo © V. Pardieu/GGL.



Figure DD-6. View of Winza gem mining area. Photo © V. Pardieu/GGL.



Figure DD-7. View of Winza gem mining area. Photo © V. Pardieu/GGL.



Figure DD-8. A truck is loaded with gem-bearing ground for transport to the nearby river for washing. Photo © V. Pardieu/GGL.



Figure DD-9. Simple living quarters have been constructed near some of the mine workings, May 2008. Photo by B. M. Laurs, © GIA.



Figure DD-10. Vincent Pardieu collects rock specimens in the Winza mining area. Photo by J. B. Senoble.



Figure DD-11. Mining for gems at Winza. Photo © V. Pardieu/GGL.



Figure DD-12. Digging a trench at a hard-rock mine. Photo © V. Pardieu/GGL.



Figure DD-13. Miners have dug through the gem-bearing rust-brown eluvial soil and are recovering sapphires from the underlying hard-rock deposit (amphibolite). Photo © V. Pardieu/GGL.



Figure DD-14. Miners follow an amphibolite vein at this hard-rock deposit. Photo © V. Pardieu/GGL.



Figure DD-15. Details of an amphibolite vein (blocky area) in a mining trench. Photo © V. Pardieu/GGL.



Figure DD-16. A miner removes material from a trench following an amphibolite vein. Photo © V. Pardieu/GGL.



Figure DD-17. A mine owner oversees one of his workers. Photo © V. Pardieu/GGL.



Figure DD-18. A miner descends into a hard-rock mine in search of rubies and sapphires.
Photo © V. Pardieu/GGL.



Figure DD-19. Mining pit following an amphibolite vein. Photo © V. Pardieu/GGL.



Figure DD-20. Underground hard-rock mining reached depths of 15 m in April 2008.
Photo © V. Pardieu/GGL.



Figure DD-21. Details of the walls of a mining pit. Photo © V. Pardieu/GGL.



Figure DD-22. Dr. James Shigley and Brendan Laurs inspect one of the shafts, May 2008. Photo by B. M. Laurs, © GIA.



Figure DD-23. View down the shaft shown above; note the miner working at the bottom of the shaft. Photo by B. M. Laurs, © GIA.



Figure DD-24. This shaft reportedly produced a fine ruby. Photo by B. M. Laurs, © GIA.



Figure DD-25. Bags of ruby- and sapphire bearing material await transportation to the nearby river for washing. Photo by B. M. Laurs, © GIA.

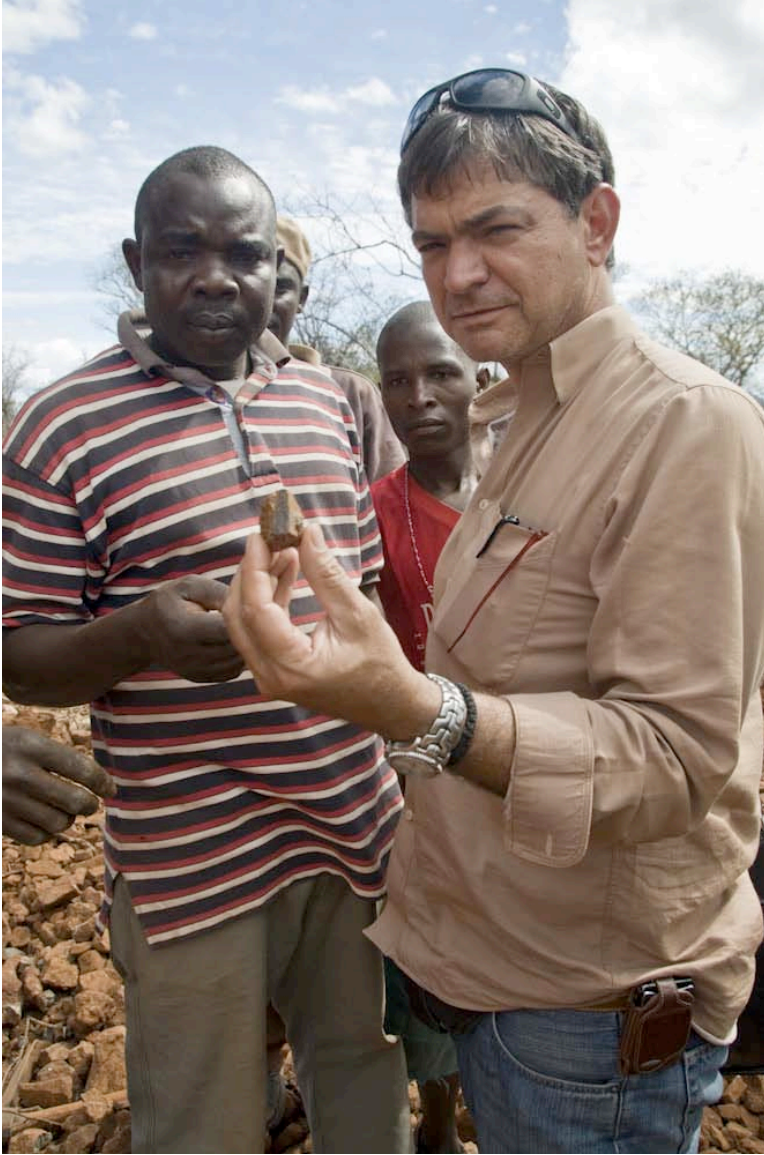


Figure DD-26. Dimitri Mantheakis inspects a large sapphire crystal that has just been unearthed. Photo by B. M. Laurs, © GIA.