

## ***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: Washing/processing ruby- and sapphire-bearing material



Figure DD-1. Miners carry gem-rich ground through Mtakanini mining camp on the way to the Mtindiri River. Photo © V. Pardieu/GGL.



Figure DD-2. Miners bring gem-rich ground to the Mtindiri River washing area. Photo © V. Pardieu/GGL.



Figure DD-3. Bicycles are used by some miners to carry gem-rich ground to the Mtindiri River washing area. Photo © V. Pardieu/GGL.



Figure DD-4. Winza miners return to the Mtakanini mining camp from the washing area on the Mtindiri River. Photo © V. Pardieu/GGL.



Figure DD-5. Water from the Mtindiri River is used to wash corundum-bearing material. Photo © B. M. Laurs/GIA.



Figure DD-6. At the Mtindiri River, miners use pumps, hoses, and sieves to wash gem-rich material. Photo © V. Pardieu/GGL.



Figure DD-7. Washing area on the Mtindiri River, just a few hundred meters from the Mtakanini mining camp. Photo © V. Pardieu/GGL.



Figure DD-8. Washing area on the Mtindiri River, near the Mtakanini mining camp. Photo © V. Pardieu/GGL.



Figure DD-9. Portable pumps were brought to Winza by enterprising individuals to supply water for the washing operations. Photo © B. M. Laurs/GIA.



Figure DD-10. Truck used to transport corundum-bearing ground to the Mtindiri River washing area. Photo © V. Pardieu/GGL.



Figure DD-11. Gem-bearing material is shoveled out of the truck and placed in a sieve for washing. Photo © V. Pardieu/GGL.



Figure DD-12. Much of the corundum-bearing material has been brought to the washing area on foot in sacks. Photo © B. M. Laurs, © GIA.



Figure DD-13. Miners wash gem-rich ground near the Mtakanini mining camp. Photo © V. Pardieu/GGL.



Figure DD-14. Miners wash gem-rich ground near the Mtakanini mining camp. Photo © V. Pardieu/GGL.



Figure DD-15. Miners wash gem-rich ground near the Mtakanini mining camp. Photo © V. Pardieu/GGL.



Figure DD-16. Miners wash gem-rich ground near the Mtakanini mining camp. Photo © V. Pardieu/GGL.



Figure DD-17. Miners wash gem-rich ground near the Mtakanini mining camp. Photo © B. M. Laurs/GIA.



Figure DD-18. After washing, the rubies and sapphires are removed by hand and stored in plastic water bottles. Photo © B. M. Laurs/GIA.



Figure DD-19. Some of the day's production of ruby and sapphire. Photo © B. M. Laurs/GIA.