Riches in the river Investigating how valuable ores may become concentrated on river beds

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I have just read about an excellent website which would make a good follow up to this activity. It consists of an interactive game where students see how "rich" they can become by mining a gold placer deposit in the Yukon, Canada. The game itself will suit older students, but even without playing the game, the pictures on the background sheet (on a pdf file) are brilliant. The site is freely available at http://www.see.leeds.ac.uk/misc/miner/ and is described in Teaching Earth Sciences Vol. 35, No. 2, 2010.