HEAT TREATMENT Geuda Sapphire Sri Lanka

Somewhere in the 1970's, with the advent of efficient high temperature ovens, someone discovered that this low value by-product of gem mining could be transformed by high temperature heating into beautiful and eminently SALEABLE sapphires. Many pieces were destroyed by the process but many of those that survived were gorgeous. This caused the *Great Geuda Rush*– a stampede in which many fortunes were made by those fortunate enough to own or obtain Geuda rough on the cheap.

Geuda Sapphire, Before and After Heat

Simply put, the Geuda material is heated to just below its melting point, where the crystal lattice is expanded to it maximum and bonds between molecules are as "wide open" as they can be. The heat caused the silk to dissolve and release titanium into the crystal lattice of the sapphire. Titanium is the main cause of blue color in sapphire. The result is a gem that has been significantly enhanced in both clarity and color.