

Pollution Costs in the US from hard-rock metal mining:

- Number of **15 largest** EPA Superfund Sites which are copper/lead/gold mines: **14**
- Estimated Cost of Superfund cleanups to US EPA - **\$10B**
- % of **all** toxic emissions from **all** US Industries which comes from hard-rock mining: **47%**
- Net public Revenue/Royalties from gold, copper, silver, lead, sold from federal lands (2003 budget): **\$0**
- Gross revenue from federal land-leases: **\$5/acre** (before administration)
- Number of employees administering the 2003 mineral land leases: **339**
- Percentage of gold, copper, silver, lead ores production from federal lands: **95%**
- Fastest growing component of US Solid Waste stream: **electronic "e-waste"**
- Number of TVs destined for obsolescence in 2007: **750,000,000**

International Environmental Costs:

- Decline of Congo's gorillas since mining of Coltan (for cell phones) began in 1991: **-50%**
- Tons of cyanide and arsenic-contaminated copper mine-tailings dumped into the OK Tedi River in the Papua New Guinea rain forest: **80,000 tons per day**
- Number of years of known world copper reserves (1970 rate of consumption): **less than 100**
- Change in World Rate of consumption between 1970 and 1990: **+50%**
- USGS plan for meeting copper demand in 100 years: **ocean bed mining**
- Largest US export by volume: **scrap**

Opportunities in Electronics Recycling

- Copper recovery from one ton of TVs compared to a ton of copper ore: **2 : 1**
- US Metal Mining Employment (includes all metal, iron, copper, etc.): **39,280**
- US TV repair employment: **37,000**
- US Computer repair employment: **142,390**
- **All Repair employment** (including auto, appliances, etc.): **5,318,490**
- Cost of Canadian Mining government subsidies per mining job: **\$13,095+**
- Jobs created per 1,000 tons of electronics landfilled: **< 1**
- Jobs created per 1,000 tons of electronics recycled: **15**
- Est. Jobs created per 1,000 tons of electronics repaired: **200**