



*Don't let your money go to waste!*

## Dumping by the Numbers

*Breaking down our statistics*

**Mining companies dump 220+ million tonnes of tailing and waste rock into oceans, rivers and lakes each year.**

### Tailings and Waste Rock Dumped by Existing Mines Each Year\*

Mines (linked to data source)	Location	Company	Type of Dumping	Tailings and Waste Rock (tonnes)
<a href="#">Grasberg</a>	West Papua	Freeport McMoRan	River	> 76 million
<a href="#">Batu Hijau</a>	Indonesia	PT Amman Mineral Nusa Tenggara	Marine	> 40 million
<a href="#">Kvannevang</a>	Norway	Rana Gruber AS	Marine	> 2 million
<a href="#">Skaland</a>	Norway	Skaland Graphite ASA	Marine	> 40,000
<a href="#">Cayeli</a>	Turkey	First Quantum Minerals	Marine	> 3 million
<a href="#">Simberi</a>	Papua New Guinea	St Barbara Limited	Marine	> 3 million
<a href="#">Ramu</a>	Papua New Guinea	Highlands Pacific / MCC	Marine	> 5 million
<a href="#">Ok Tedi</a>	Papua New Guinea	Ok Tedi Mining	River	> 74 million
<a href="#">Lihir</a>	Papua New Guinea	Newcrest Mining	Marine	> 14 million
<a href="#">Porgera</a>	Papua New Guinea	Barrick Gold	River	> 5 million
<a href="#">Carol</a>	Canada	Rio Tinto IOC	Lake	> 500,000
<a href="#">Meadowbank</a>	Canada	Agnico Eagle	Lake	> 2 million
<a href="#">Musselwhite</a>	Canada	Goldcorp	Lake	> 1 million
<a href="#">Sudbury Strathcona</a>	Canada	Glencore plc	Lake	> 1 million
<a href="#">Kensington</a>	USA	Coeur Mining	Lake	> 300,000
<b>TOTAL</b>				<b>&gt;226 million</b>

**The amount of tailings dumped each year is enough to fill 55 [football] stadiums.** The [volume](#) of AT&T Stadium in Dallas, TX is 104 million cubic feet (f3). Based on a density of [1.36 tons of mine tailings per cubic meter](#), 220 million tonnes of mine waste has a volume of 161,764,705 cubic meters; converted to cubic feet, that is 5,712,666,644 f3. Divide total volume of waste by total volume of the stadium: 5,712,666,644 f3 / 140,000,000 f3 = 54.9 or 55 stadiums.

**Bank of America, Credit Suisse, JP Morgan and Citigroup have over \$4.4 billion invested** in mine waste dumping in the ocean. This includes bonds and shareholdings, according to Bloomberg Terminal research in September 2017, with share prices calculated in December 2017 and December 2016.

**Aqueous mine waste disposal is being phased out in many parts of the world** according to the [International Assessment of Marine and Riverine Disposal of Mine Tailings, May, 2013](#).

\* This list does not include all operations that dump mine waste into oceans, rivers, and/or lakes.

**Contact:** Ellen Moore, Earthworks, [emoore@earthworksaction.org](mailto:emoore@earthworksaction.org)