

Chart V-3 shows the number of mines with a specific number of

overexposures. Examination of the frequency of mines with one or more

overexposures shows that 51 (29.8%) mines are in this category.

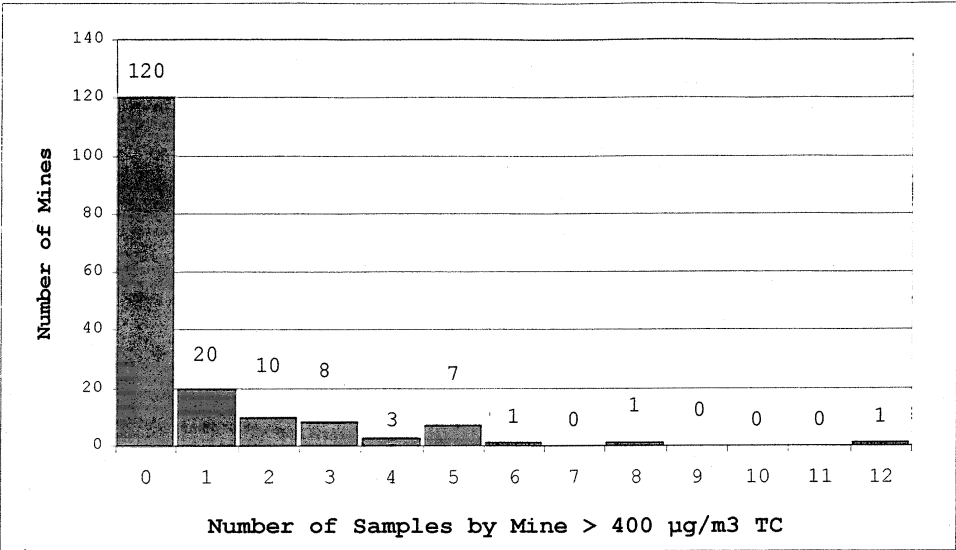


Chart V-3: Number of Mines by the Amount of Overexposures Samples for that Mine (TC=EC x 1.3)

At 14 of the mines, all the samples were above 400<sub>TC</sub> µg/m³. Between one

and five samples were taken at each of these mines. No overexposures were

found in 120 (70%) of the mines sampled. (See Chart V-4.)

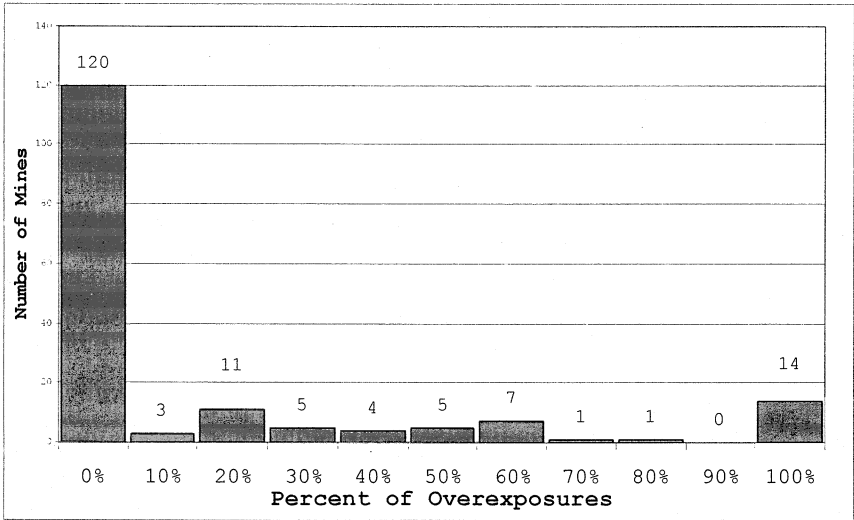


Chart V-4: Number of Mines by Percentage of Overexposures for that Mine

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Tables V-8 and V-9 summarize sample statistics by commodity for total carbon calculated by  $TC = EC \times 1.3$  and  $TC = EC + OC$  respectively. Overall, the mean TC as calculated by  $EC \times 1.3$  is  $222 \mu\text{g}/\text{m}^3$ . The median level is  $153 \mu\text{g}/\text{m}^3$ . The mean TC level by  $OC + EC$  is  $263 \mu\text{g}/\text{m}^3$  and the median level is 209

$\mu\text{g}/\text{m}^3$ . Individual exposure levels of TC vary widely within all commodities and most mines. The statistics reported in Tables V-8 and V-9 were chosen to be consistent with those reported in the 31-Mine Study and the Exposure Assessment.

The mean TC values ( $EC \times 1.3$ ) are somewhat lower than the interim

compliance limit of  $400 \mu\text{g}/\text{m}^3$ . The mean (median) TC value for metal mines is  $296(239) \mu\text{g}/\text{m}^3$ . The mean for stone is  $214(136)$ , other N/M is  $170(129)$  and for trona mines is  $90(91) \mu\text{g}/\text{m}^3$ . Table V-8 lists additional statistics for EC values compiled by commodity.