

1973 Zn distribution - 3830 bench.

002104

1) frequency diagram of blasthole assays

uni-modal 6.00

$$\bar{x} = 5.99$$

$$s = 1.52$$

$$n = 1143$$

2) tonnage and grade block comparison.

a) <sup>mined</sup> predicted  $\bar{x} = 6.05$   
 $s = 0.63$

b) predicted  $\bar{x} = 6.78$   $Z(p) - Z(m) \Rightarrow \bar{x} = +0.73$   
 $s = 2.10$   $s = 2.04$

~~reject  $H_0$  that  $Z(p) - Z(m) = 0$~~

c) predicted. 7.5% cut off

$$\bar{x} = 6.21$$

$$s = 1.07$$

$$Z(p) - Z(m)$$

$$\bar{x} = 0.16$$

$$s = 0.97$$

d) smoothed by ellipses.

$$\bar{x} = 6.61$$

$$s = 0.77$$

$$Z(p) - Z(m)$$

$$\bar{x} = 0.56$$

$$s = 0.86$$

e) smoothed by ellipses and cut -0.4

$$\bar{x} = 6.21$$

$$s = 0.77$$

$$Z(p) - Z(m)$$

$$\bar{x} = 0.16$$

$$s = 0.86$$

f) smoothed by circles and cut -0.4.