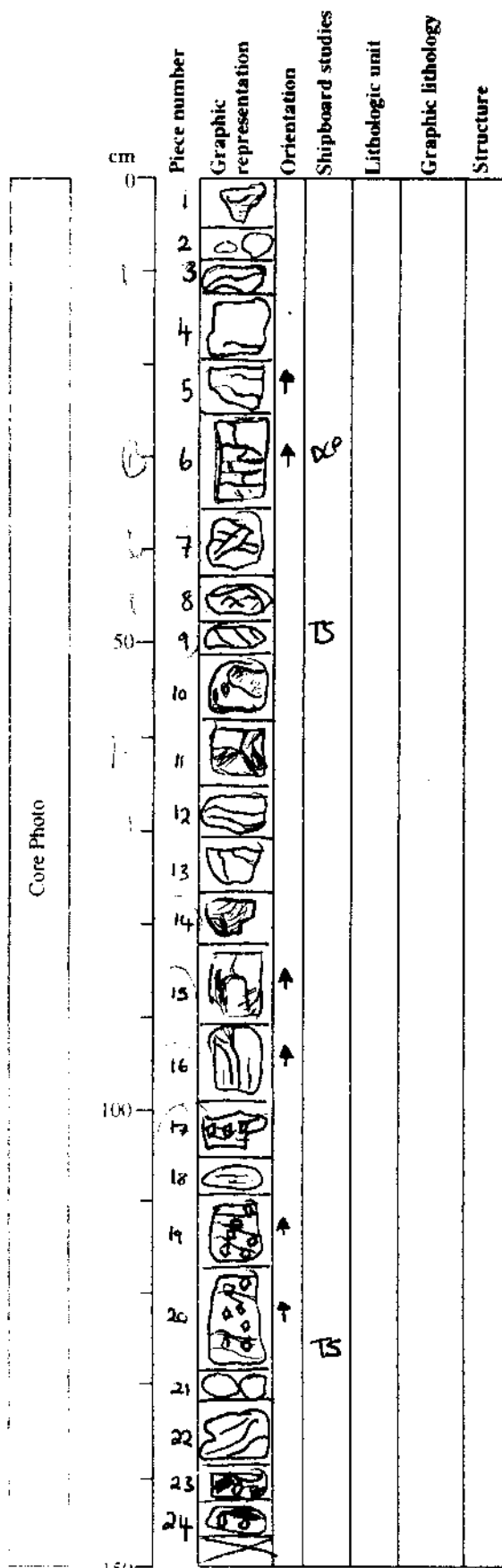


SULFIDE VISUAL CORE DESCRIPTION

169-SITE-HOLE-CORE-SEC 169-1035H-17R1



CORE/SECTION

Piece

ROCK TYPE: Sulfide veined sediment → massive/semi massive sulfide with sediment.

CONTACTS:

COLOR: Kalsidlosopic → marbled; - bronzy brown
↓
greenish.

MAJOR MINERALS:

* magnetite (pieces 19-24)
* Clay minerals ~ 60%

- pyrrhotite 20-30%

- pyrite 5-20%

- sphalerite 5-10%

- chlorite < 5%

- epidote < 2%

%s highly variable due to nature of rock.

MINOR MINERALS: Chalcopyrite ~ intergrown with po

- white silvery mineral intergrown with sphalerite especially in pieces 7, 8, 9, 11, 12 in vein (meta-hydrothermal breccia) ⇒ thin section

* barite - pieces 19-24.

TEXTURE: recrystallised:

heterogeneous.

pyrite neoblasts eq: pieces 17-20.

VEINS: meta-veins ~ variable mineralogy random orientations (many subvertical) also sulfide impregnations along sed. laminae.

ADDITIONAL COMMENTS:

(piece 6)

Pieces 19-24 are more sulfide rich

= massive/semi massive sulfide with sediment.

% dark green enbite increases down section.

some patches of intense silicification eg: piece 9.

"Clay" minerals variable in hue altⁿ of sed protolith. some epidote? patches in them: eg piece 14

* magnetic susceptibility

very high in pieces 19-24

due to magnetite ~ 5%

* v. high natural gamma peak over the same interval = barite?