

SK 3

SMELTERSKOL - ROSSBERG

SK 3
31/11/04

~~SLAGGED TAYLOR~~ 1 GLASSY? SLAG NODULE

DENSE, NON-MAGNETIC SLAG 55.46g

50 x 35 x 20 mm

CHANGING FRACTURE ON ONE SIDE - RELATIVELY SMOOTH

1 PETROGRAPHIC POLISHED THIN SECTION SK 3
~~1 XRF SAMPLE OF SLAG SK 3~~

- TIN SLAG CONTAINING GLASS, FAYALITE, CASSITERITE, HARDHEAD, TIN
- TIN DROPLETS CONTAIN HARDHEAD - 2 PHASE
- CASSITERITE - BLOCKY GREY SKELETAL LATHS?
- HARDHEAD? - PINKING, HIGH RELIEF
- FAYALITE - DULL SKELETAL LATHS, COXED
- GLASSY MATRIX ~~NO VISIBLE MATRIX~~
- TIN - BRIGHT DROPLETS

EDS:

- BULK COMPOSITION EXCLUDING LARGE TIN DROPLETS SK 3-1-bulk
- COMPOSITION OF GLASSY MATRIX SK 3-2-glass
- COMPOSITION OF TIN DROP WITHOUT INCLUSIONS (PURE TIN) ^{NOT RECORDED}
- COMPOSITION OF BOTH PHASES OF HARDHEAD INCLUSIONS SK 3-3-L SK 3-4-D
- COMPOSITION OF ALL XIDE PHASES IN CLUSTER NEAR POINT

POINT

50° TWINNED



ANORTHASE?

"DARK" PHASE
FELSAR

SK 3-5-DARK

SK 3-5-DARK 2

~~FELSAR~~
~~MELTITE?~~

"LIGHTER" PHASE SK 3-6 - ZONED - FAYALITE
INCLUDES SKELETAL LATHS

SMALLER, INTERMEDIATE GREY STRUCTURE? ~~MELTITE?~~
CRUSTALS SK 3-7
SK 3-11 a,b,c
NUCLEATED AROUND SPINES WITH MAX. OVERGROWTHS

SMALL DARK ANGULAR GRAINS } SK 3-8
 } SK 3-9

55
11/13
7/12
1/11/04