

SWITZERLAND

29/05/08

Quantitative validation of the soil sealing layer, according to the recommendations of FOMI

***** RESULTS OF ERROR CALCULATION *****

Confidence interval: 90 %

Excluded area: 24 % of the total area

Results for Stratum 1 - Built-up (0.34 % of the total area)

Number of samples: 500

Number of samples containing error: 134

With 95 % probability the Built-up class contains more than $p_0 = 23.74$ % commission error

With 95 % probability the Built-up class contains less than $p_1 = 30.26$ % commission error

Mean commission error: 27 %

Reliability of commission error: 3.26 %

Probability of having more than 15% commission error in the database: 100 %

Results for Stratum 2 - Non-built-up (75.66 % of the total area)

Number of samples: 2000

Number of samples containing error: 11

With 95 % probability the Built-up class contains more than $p_0 = 75.66$ % omission error

With 95 % probability the Built-up class contains less than $p_1 = 202.501764705882$ % omission error

Mean omission error: 139.08 %

Reliability of omission error: 63.42 %

Probability of having more than 15% omission error in the database: 100 %