

# Supervised Classification of South-Eastern Virginia

| OID | ClassValue | C_1      | C_2 | C_3      | C_4  | Total | U_Accuracy | Kappa    |
|-----|------------|----------|-----|----------|------|-------|------------|----------|
| 0   | C_1        | 26       | 0   | 0        | 0    | 26    | 1          | 0        |
| 1   | C_2        | 3        | 1   | 4        | 2    | 10    | 0.1        | 0        |
| 2   | C_3        | 0        | 0   | 10       | 0    | 10    | 1          | 0        |
| 3   | C_4        | 0        | 0   | 4        | 6    | 10    | 0.6        | 0        |
| 4   | Total      | 29       | 1   | 18       | 8    | 56    | 0          | 0        |
| 5   | P_Accuracy | 0.896552 | 1   | 0.555556 | 0.75 | 0     | 0.767857   | 0        |
| 6   | Kappa      | 0        | 0   | 0        | 0    | 0     | 0          | 0.655303 |

Shown above is the confusion matrix created from 50 randomly stratified points from the sample area of the map. Below is the supervised classification model. This classification model shows four separate land cover types; water, developed, forest, and cropland/pasture.

