**Table 1.a. Probit regression: estimated marginal effects at the mean distance to water bodies on the probability to be income poor (living below the national poverty line).**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|   | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| VARIABLES | All countries | Malawi | Tanzania | Uganda |
|   | National  | Rural  | National  | Rural  | National  | Rural  | National  | Rural  |
| **Distance to nearest water body (km)** | **0.00136\*\*\*** | **0.00136\*\*\*** | **0.00077\*\*\*** | **0.00061\*\*\*** | **0.00060\*\*\*** | **0.00008\*\*\*** | **0.00164\*\*\*** | **0.00214\*\*\*** |
|  | (0.00000) | (0.00001) | (0.00001) | (0.00002) | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Distance to nearest water body (km) of households unable to reach food markets  | 0.00310\*\*\* | 0.00343\*\*\* | 0.00931\*\*\* | 0.01075\*\*\* | -0.00494\*\*\* | -0.00419\*\*\* | 0.00154\*\*\* | 0.00163\*\*\* |
|  | (0.00002) | (0.00003) | (0.00019) | (0.00021) | (0.00013) | (0.00013) | (0.00002) | (0.00002) |
| Distance to nearest agricultural market (km) |  |   | -0.00000 | -0.00294\*\*\* |   |   | -0.00007\*\*\* | -0.00075\*\*\* |
|  |  |   | (0.00002) | (0.00003) |   |   | (0.00001) | (0.00001) |
| ***Household close to water bodies by type of household:*** |  |   |   |   |   |   |  |  |
| Neither fishing nor agriculture HHs, close to water bodies  | 0.13008\*\*\* | 0.19429\*\*\* | 0.14556\*\*\* | 0.02641\*\*\* | 0.03553\*\*\* | 0.02682\*\*\* | 0.20714\*\*\* | 0.33079\*\*\* |
|  | (0.00075) | (0.00116) | (0.00295) | (0.00326) | (0.00093) | (0.00171) | (0.00155) | (0.00239) |
| Fishing HHs, close to water bodies  | 0.05244\*\*\* | 0.06937\*\*\* | 0.02854\*\*\* | -0.01141\* | 0.00896\*\*\* | 0.08416\*\*\* | 0.03679\*\*\* | 0.04943\*\*\* |
|  | (0.00128) | (0.00149) | (0.00548) | (0.00609) | (0.00159) | (0.00177) | (0.00246) | (0.00292) |
| Agriculture HHs, close to water bodies  | 0.05363\*\*\* | 0.04467\*\*\* | -0.07513\*\*\* | -0.08115\*\*\* | 0.02897\*\*\* | 0.02980\*\*\* | 0.08171\*\*\* | 0.10409\*\*\* |
|  | (0.00043) | (0.00050) | (0.00103) | (0.00116) | (0.00062) | (0.00073) | (0.00076) | (0.00092) |
| Households unable to reach food markets | -0.08354\*\*\* | -0.07506\*\*\* | -0.29404\*\*\* | -0.37178\*\*\* | 0.45665\*\*\* | 0.24855\*\*\* | 0.02345\*\*\* | 0.04840\*\*\* |
|  | (0.00098) | (0.00123) | (0.00453) | (0.00552) | (0.00411) | (0.00438) | (0.00086) | (0.00110) |
| ***Main livelihood activity of the household (baseline: "neither fishing nor agriculture)"*** |  |   |   |   |   |   |  |  |
| Fishing households | 0.15921\*\*\* | 0.06537\*\*\* | 0.06462\*\*\* | -0.08396\*\*\* | 0.21707\*\*\* | 0.12305\*\*\* | 0.05066\*\*\* | 0.09241\*\*\* |
|  | (0.00086) | (0.00109) | (0.00197) | (0.00251) | (0.00115) | (0.00153) | (0.00187) | (0.00243) |
| Agriculture households | 0.24929\*\*\* | 0.17300\*\*\* | 0.18251\*\*\* | 0.00937\*\*\* | 0.35963\*\*\* | 0.27708\*\*\* | 0.05557\*\*\* | 0.05965\*\*\* |
|  | (0.00030) | (0.00058) | (0.00082) | (0.00139) | (0.00042) | (0.00093) | (0.00050) | (0.00074) |
| Household consumed fish (past 7 days) | -0.08574\*\*\* | -0.07206\*\*\* | -0.24685\*\*\* | -0.22931\*\*\* | -0.12523\*\*\* | -0.07070\*\*\* | -0.04466\*\*\* | -0.05201\*\*\* |
|  | (0.00027) | (0.00032) | (0.00065) | (0.00066) | (0.00040) | (0.00045) | (0.00036) | (0.00046) |
| Household size | 0.03653\*\*\* | 0.03951\*\*\* | 0.11973\*\*\* | 0.13133\*\*\* | 0.05730\*\*\* | 0.07213\*\*\* | 0.01881\*\*\* | 0.02654\*\*\* |
|  | (0.00005) | (0.00006) | (0.00019) | (0.00021) | (0.00008) | (0.00010) | (0.00006) | (0.00008) |
| Ratio employed household member over not employed  | -0.13830\*\*\* | -0.14823\*\*\* | -0.04342\*\*\* | -0.06581\*\*\* | -0.21565\*\*\* | -0.18829\*\*\* | -0.10651\*\*\* | -0.08681\*\*\* |
|  | (0.00044) | (0.00054) | (0.00100) | (0.00108) | (0.00065) | (0.00078) | (0.00070) | (0.00089) |
| Age of the household head | -0.00008\* | 0.00172\*\*\* | -0.00723\*\*\* | -0.00515\*\*\* | -0.00380\*\*\* | 0.00275\*\*\* | -0.00092\*\*\* | -0.00193\*\*\* |
|  | (0.00004) | (0.00005) | (0.00010) | (0.00011) | (0.00007) | (0.00008) | (0.00007) | (0.00008) |
| Age of the household head, quadratic  | -0.00001\*\*\* | -0.00003\*\*\* | 0.00006\*\*\* | 0.00004\*\*\* | 0.00001\*\*\* | -0.00006\*\*\* | 0.00001\*\*\* | 0.00003\*\*\* |
|  | (0.00000) | (0.00000) | (0.00000) | (0.00000) | (0.00000) | (0.00000) | (0.00000) | (0.00000) |
| Sex of the head of the household | -0.04366\*\*\* | -0.05376\*\*\* | -0.05509\*\*\* | -0.06445\*\*\* | -0.08875\*\*\* | -0.09490\*\*\* | 0.04974\*\*\* | 0.03340\*\*\* |
|  | (0.00028) | (0.00034) | (0.00067) | (0.00072) | (0.00041) | (0.00048) | (0.00036) | (0.00049) |
| ***Education of the head of the household*** |  |  |  |  |  |  |  |  |
| Primary  | -0.07831\*\*\* | -0.06867\*\*\* | -0.15394\*\*\* | -0.14060\*\*\* | -0.20624\*\*\* | -0.15392\*\*\* | -0.01452\*\*\* | -0.00136\*\* |
|  | (0.00030) | (0.00035) | (0.00072) | (0.00084) | (0.00044) | (0.00048) | (0.00047) | (0.00056) |
| Secondary  | -0.31264\*\*\* | -0.32828\*\*\* | -0.32729\*\*\* | -0.31063\*\*\* | -0.44218\*\*\* | -0.35090\*\*\* | -0.09635\*\*\* | -0.07422\*\*\* |
|  | (0.00034) | (0.00048) | (0.00090) | (0.00138) | (0.00052) | (0.00085) | (0.00056) | (0.00075) |
| Tertiary  | -0.43324\*\*\* | -0.52560\*\*\* | -0.47530\*\*\* | -0.53427\*\*\* | -0.60570\*\*\* | -0.62035\*\*\* | -0.14886\*\*\* | -0.18548\*\*\* |
|  | (0.00036) | (0.00051) | (0.00097) | (0.00222) | (0.00064) | (0.00387) | (0.00071) | (0.00086) |
| Wealth index | -0.00035\*\*\* | 0.00060\*\*\* | -0.07794\*\*\* | -0.07426\*\*\* |   | -0.00507\*\*\* | -0.11681\*\*\* | -0.14009\*\*\* |
|  | (0.00000) | (0.00000) | (0.00018) | (0.00020) |   | (0.00001) | (0.00022) | (0.00030) |
|  |  |   |   |   |   |   |  |  |
| **Baseline: average probability to be poor (\*100)** | **0.384** | **0.478** | **0.446** | **0.517** | **0.443** | **0.593** | **0.212** | **0.239** |
| **Distance to nearest water bodies, in Km.** | **33.1** | **36.0** | **37.0** | **37.1** | **33.8** | **38.0** | **28.5** | **31.2** |
| Observations | 18,610 | 14,275 | 12,444 | 10,174 | 3,344 | 1,978 | 2,817 | 2,123 |
| Country/district FE | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| r2 | 0.1734 | 0.122 | 0.2539 | 0.2118 | 0.2343 | 0.2077 | 0.1815 | 0.1639 |
| Standard errors in parentheses \*\*\* p<0.01, \*\* p<0.05, \* p<0.1 |  |  |  |  |  |  |  |  |