

FAD Trials in East Africa

FMSP R8331

Annex 10

Tanzania FAD monitoring data

FADs Inspection Report (April, 2005)

| FAD ID | Depth (m) | FAD age (days) | Observations |
|--------|-----------|----------------|--|
| N 1 | 300 | 9 | 22 floats up; 3 below (same on day 4). Reflector missing. Current NW (NE on day 4). Some slippage of end line through clamps with initial signs of bulging of return length, but plenty of length left. |
| N 2 | 650 | 9 | 17 floats up; 8 below. Reflector missing. Current W. Some slippage of end line (as for Nungwi 1), but with plenty of original clamped section remaining. |
| M1 | 400 | 9 | 22 floats up; 3 below. Reflector missing. Current N. Very small amount of slippage of end line through clamps, but plenty left. |
| M2 | 650 | 9 | 17 floats up; 5 below. Current N. Reflector ok. Severe slippage of end section, with all clamps very closely packed, but the original length of excess beyond the first clamp remains (folded over on itself). |
| Kinasi | 500 | 3 | 12 floats up; 13 below. Current N. Reflector ok. Moderate slippage through end section clamps, with two clear bulges of the return length. Final surplus end doubled over and jammed against the first float. |
| Juani | 530 | 3 | 13 floats up; 12 below. Current N. Reflector ok. Moderate slippage through end section clamps, with both bulges on the return length. |

Status of FADs (March-July, 2005)

| Date | Time | FAD ID | Remarks |
|----------|--------------|-----------|--|
| 23/03/05 | 10:45 | Nungwi 1 | Deployment: Water depth 300m, and length of FAD is 410m. 25 floats on surface. |
| 23/03/05 | 13:54 | Nungwi 2 | Deployment: Water depth 400m, and length of FAD is 550m. 25 floats on surface |
| 23/03/05 | 16:15 | Matemwe 1 | Deployment: Water depth 400m, and Length of FAD 800m. 25 floats on surface |
| 23/03/05 | 17:00 | Matemwe 2 | Deployment: Water depth 663m, and length of FAD is 862m. 25 floats on surface |
| 24/03/05 | 15:30 | Kinasi | Deployment: Water depth 540m, and length of FAD is 875m. |
| 24/03/05 | 17:00 | Juani | Deployment: Water depth 530m, and length of FAD is 875m. |
| 27/03/05 | | Juani | Inspection: Final eye and clamp section has slipped (pics), but all 3 clamps are tight. Flagpole rope is wearing at eye. Position estimated to have shifted 600 m N. |
| 27/03/05 | | Kinasi | Inspection: As above; flagpole tender ok. Illegal long liner "Maestro No. 21". No port of registration. Vessel light seen outside Kinasi pass 2100 hrs, 27/03/05. |
| 01/04/05 | 10:39 | Matemwe 1 | Inspection: 22 floats on surface |
| 01/04/05 | 11:10 | Matemwe 2 | Inspection: 22 floats on surface, Marker pole intact |
| 01/04/05 | 12:05 | Nungwi 2 | Inspection: 17 floats on surface |
| 01/04/05 | 12:39 | Nungwi 1 | Inspection: 22 floats on surface |
| 06/06/05 | 06:42- 08:30 | Nungwi 1 | Current: 07:31 at FAD - 05 40.846, 39 23.736 at 07:37; barnacles collected; Peter S snorkeled & fly-fished. New moon Jun 7. 13-14 floats on surface |
| 04/07/05 | 05:11-10:22 | Nungwi 1 | Fishing Trial Phase 1: Failed to reach FAD due to sea condition. |
| 17/07/05 | 06:08-12:43 | Nungwi 1 | Fishing Trial Phase 1: 14 floats on surface, barnacles attached on the surface of floats. |
| 18/07/05 | 06:01-11:54 | Nungwi 1 | Fishing Trial Phase 1: 19 floats on surface, barnacles attached on the surface of floats. |
| 20/07/05 | 05:15-13:04 | Nungwi 1 | Fishing Trial Phase 1: 19 floats on surface, barnacles attached on the surface of floats. |

Status of FADs (October, 2005)

| Date | Time | FAD ID | Remarks |
|-------------|-------------|---------------|--|
| 06/10/05 | 07:15-11:45 | Nungwi 1 | Fishing Trial Phase 2: 15 floats on surface, barnacles attached on the surface of floats. |
| 06/10/05 | 06:40-12:30 | Nungwi 2 | Fishing Trial Phase 2: 1 float at surface, barnacles attached on the surface of floats. |
| 07/10/05 | 07:05-02:05 | Nungwi 1 | Fishing Trial Phase 2: 7 floats on surface, barnacles attached on the surface of floats. Dolphin fish and tuna seen swimming around FAD. |
| 08/10/05 | 06:15-12:45 | Nungwi 1 | Fishing Trial Phase 2: 1 float on surface, barnacles attached on the surface of floats. Lot of small fishes |
| 09/10/05 | 06:15-13:10 | Nungwi 1 | Fishing Trial Phase 2, All floats were submerged. Strong current |
| 10/10/05 | 07:10-12:15 | Matemwe 1 | Fishing Trial Phase 2: 7 floats on surface, barnacles attached on the surface of floats. Groups of small fishes |
| 11/10/05 | 07:15-04:15 | Matemwe 1 | Fishing Trial Phase 2: 15 floats on surface, barnacles attached on the surface of floats. Groups of small fishes around FAD |
| 12/10/05 | 08:05-01:30 | Matemwe 1 | Fishing Trial Phase 2: 15 floats on surface, barnacles attached on the surface of floats. Groups of small fishes around FAD |
| 13/10/05 | 09:15-13-05 | Matemwe 1 | Fishing Trial Phase 2: 15 floats on surface; Groups of small fishes around FAD |
| 13/10/05 | 09:15-13-05 | Matemwe 2 | Fishing Trial Phase 2: 7 floats on surface, barnacles attached on the surface of floats. Very strong current. No Marker pole |
| 17/10/05 | 12:30 | Kinasi | Fishing Trial Phase 2: 2 floats on surface, barnacles attached on the surface of floats. |