

**Plan Vivo Annual Report**

**2010**

**Sofala Community Carbon Project**

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Picture: The next generation.



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## 1. Key Events, Developments and Challenges

### Events

- The Minister for Environment of Mozambique, Alcinda Abreu, visited the project.
- The Sofala and the Ugandan Plan Vivo projects were visited by our client, Max Hamburger, and the auditing firm, Nepcon.

*"The findings confirm that the projects function as planned and contribute to the aim of well managed reforestation and the benefits for environment and people."*

It was very rewarding and motivating for staff and farmers to have a client make the connection on the ground.

- Envirotrade has been invited by Fondation IGF in Paris to do a community carbon project feasibility study for the Gilé National Reserve in Mozambique's Zambézia Province. We expect to commence work on this 4-month feasibility study in November 2010.
- Envirotrade has investigated a new project in the Chimanimani area in Mozambique.
- Envirotrade was invited by the Zambia National Farmer's Union Conservation Farming Unit to carry out a feasibility study to attach carbon finance to their existing project in Zambia. This was carried out in February 2010.
- The Project was visited by Anglo American Platinum Ltd of South Africa, which has resulted in a collaboration with them on community carbon projects in South Africa.
- In a new innovation for project transparency, Mozambique Government and Gorongosa National Park officials were present this year for national television coverage of carbon payments made to participating farmers and communities by the Sofala Community Carbon Project.
- Kenneth Kaunda, the former president of Zambia visited the Project. Dr Kaunda enthusiastically endorsed the work being done and called for the project to be replicated in every corner of the African continent.
- Envirotrade Mozambique country manager António Serra and agroforestry technician Joao Ranguisse represented the Sofala Community Carbon Project at the 5th Global YES Summit - Rework the World, in Sweden. The visit was facilitated by Max Hamburger and Zero Mission who support the project through the purchase of carbon offsets. Joao has returned with a camera to feature different farmers in a monthly report.
- The Project was visited by LAM, the national airline in Mozambique, as a part of their implementation of IATA carbon offsetting mandates. We hope this visit will lead to collaboration between Envirotrade and LAM and



sales under the carbon offsetting programme they intend to offer their passengers.

- The Sofala Community Carbon Project was featured in the *Domingo* newspaper. *Domingo* is a national Sunday newspaper in Mozambique with a wide circulation.



## Developments

- The Project has been validated by the Rainforest Alliance under the Climate, Community & Biodiversity Alliance (ver. 2) at the Gold level in all three categories. We understand from the CCBA that the Sofala Community Carbon Project is the only project in the world with this "triple Gold" status.
- The Project has been validated and verified under the Plan Vivo Standards with corrective actions by the Rainforest Alliance.
- Eng. António Serra was appointed Envirotrade's Mozambique Country Manager in January 2010, replacing Piet van Zyl. António was previously Envirotrade's Mozambique country operations manager. This move recognises António's key contribution to the Project over 5 years, and the benefit of having a Mozambique national running Envirotrade's Mozambique programme.
- Alastair MacCrimmon, previously the Zambezi Delta subproject manager, was appointed the overall Sofala project manager. Aristides Muhate, previously the Zambezi Delta operations manager, was appointed the manager of the Zambezi Delta subproject and the country carbon inventory manager.
- Philip Powell the Operations Director and co-founder of Envirotrade, steps down to pursue opportunities in Zambia. Philip's vision was integral to the development of the Sofala project and Envirotrade. He has worked incredibly hard to get the project to where it is today and is wished all the best by his colleagues.
- Associação Envirotrade Carbon Livelihoods (AECL) has been created to replace Mozambique Carbon Livelihoods Trust. AECL better complies with corporate tax law and structures, and will be a more transparent and independent entity than MCLT. AECL was announced in [Boletim da Republica 3rd Series number 14, 7th April 2010](#) as required under Mozambique law. Membership in AECL will include all participating community associations, Envirotrade representatives and third-party stakeholders.
- The Sofala Community Carbon Project received the final instalment of *EU grant 063241 - Miombo community land use and carbon management – N'hambita pilot project*. The major findings of the final report from the



consultancy AGRECO Consortium engaged by the European Commission for the review were as follows:

Element	Evaluation score
Project implementation and management	<b>Adequate / Good</b>
Agroforestry component	<b>Good</b>
Micro-enterprises	<b>Adequate</b>
Forest inventory and biomass estimates	<b>Insufficient</b>
Forest management and monitoring	<b>Insufficient / in progress</b>
Carbon baselines and avoided deforestation	<b>Insufficient / in progress</b>
Benefit sharing and Trust Fund Management	<b>Adequate</b>
Socio-economic impact	<b>Good</b>

*"The main lesson learned is that similar Projects are viable in Mozambique and probably in other African countries sharing similar conditions. As a pilot Project it can be considered interesting and innovative, at least for Mozambique. However the consultancy recommends a more solid approach to the forestry components should future projects of this nature be replicated elsewhere."*

Envirotrade has taken onboard the EU consultants' criticisms of the forest inventories carried out by Edinburgh University, Miombo Consultares and Patrick Mushove. A new forest inventory started in October 2010 will be used to validate results from past inventories.

- The original design of the Project was for operations to last beyond donor funding, which has now been achieved. Key to this shift to self-sustainability for the Project, Envirotrade does not presently intend to sign new agro-forestry or forest protection contracts in Sofala in 2011, and the focus is now on ensuring the long-term quality of the existing contracts as well as on selling the Plan Vivo carbon offsets generated by those contracts.
- The Project has agreed to sign an MOU with the Gorongosa National Park. Its contents will define research agreements, opening of firebreaks and access to the permanent sample plots in the park.
- Ongoing work on radar satellite image analysis is an exciting development which will improve the Project's ability to monitor REDD zones and assess baseline carbon stocks.
- The delivery of the Plan Vivo payment for ecosystem services database will greatly improve the integration of our project reporting and standardisation of monitoring operations across subprojects and projects. Dr Paul Watts, a professional with a background in management and engineering volunteered to roll out the database in Mozambique and his workshop was received with much approval by project staff.



- Pre-zoning of the Project's operating area by the Sofala Agriculture Department brings the REDD zones a step closer to legal protection in the eyes of Mozambique forest law. In one REDD zone, Muncinuaua Munhanganga Nhambita, the pre-zoning removed an area of protection corresponding to 316 ha. A cancellation will be made in the risk buffer once the modalities are defined by Plan Vivo.

## Challenges

- During the period of this report, by far the greatest challenge facing the project was the lack of a robust market for Plan Vivo carbon offsets. This was partly due to the effects of the global recession on the voluntary carbon offsetting markets, but was also related to continued buyer aversion to ex-ante offsets in general. Thanks to a small number of loyal customers, however, the Sofala Community Carbon Project was able to sell roughly the same volume of offsets as in the previous year, and at the same pricing.
- The region experienced a severe drought in the early part of the rainy season - there was no rain from the middle of December until the end of January. This is a critical period in the planting season, not only for trees but for crops in general. Survival of seedlings in the nurseries was hard hit as water resources failed in all but one site. The resultant delay in tree distribution will have an adverse effect on their survival in the long term. Food crops had failed during this hot dry period, but with good rains in February crops were re-planted and the failure was turned around and a reasonable harvest was experienced. Carbon payments, which took place between the end of March and June, helped tide the vulnerable farmers over during this critical period.
- The replacement of Envirotrade's Mozambique country manager has been an unwelcome diversion of management time, energy and attention from more productive activities. In late September, 2009, a process began which culminated in the departure from employment of the company's longstanding Mozambique country manager. Subsequent to his departure, and in connection with new financial controls implemented by the company, a number of financial irregularities under his management came to light. These irregularities have resulted in the company bringing both criminal and civil legal actions against him in Mozambique. Those legal actions remain underway as of the date of this report, and he and his family continue to occupy company-owned accommodation located at the project site. While he and Envirotrade remain at odds, he has stated his continued support for the project and has not interfered with its operations. Meanwhile, Envirotrade's new Mozambique country manager, António Serra, who headed the Sofala provincial forestry department prior to joining Envirotrade several years ago, has raised the profile of the company and the Sofala Community Carbon Project significantly at all



levels within the Mozambique Government as well as with the public, and has improved relations with a range of project stakeholders.

- A serious setback to the Zambezi Delta subproject was the fact that the anticipated permanent camp site, which had been approved at the District level and with the traditional leadership, was denied by the Provincial authority. The Zambezi camp continues to be in limbo with scant facilities. We hope that should a MOU be signed for the REDD zones in the region we will be able to link a permanent camp site to the agreement.
- Securing suitable staff to live in remote places is difficult - there is a distinct non-acceptance from professionals to bringing their families to live in project camps. This results in greater than desired managerial absences from the operation, which affects controls and work output.
- Envirotrade will have to manage the transition of the Project from an expanding pilot project to a stable-state self-funding project. Participating farmers have come to expect an annual opportunity to sign new contracts with the Project. As we shift to a focus on monitoring, reporting and verification of existing contracts - accompanied by annual contract payments for the carbon sequestered by those contracts - project managers will have to address possible disappointment on the part of participants. This is a normal aspect of the project cycle, however. With a 15-year project horizon as a component of the project model, it has never been intended that new contracts would be signed with participants over a period longer than 8 years.
- While we welcome the CCB validation of the Project, the time lag between the site visit of the auditors and the production of the final validation report online has frustrated clients.
- A negative press article which appeared in *The Observer* on 11 April, 2010, written by two journalists with a long history of antagonism to Envirotrade's founders and to carbon offsetting in general, alleged that there were irregularities in the funding of the BBC World News documentary on Envirotrade which aired the previous autumn. There is no question that this article reduced somewhat the positive effects of the BBC World news documentary, and negatively affected offset sales. Charles Hall has held a lengthy meeting with the journalists, and we believe that many of their misperceptions about Envirotrade have now been corrected. Envirotrade also posted a rebuttal to the article on our website.

## 2. Activities, total project size and participation

### Agroforestry and REDD+ activities and participation

System Name and description	tCO <sub>2</sub> per hectare	Technical specification	Area managed in project (ha)
<b>Faidherbia</b> , dispersed interplanting of a nitrogen fixing tree with reverse phenology in the machamba	117	MOZ-TS-DIP var. Faidherbia albida v. 2	1,088
<b>Cashew</b> , planting a cashew orchard	137	MOZ-TS-FO-cashew	178
<b>Homestead</b> , planting fruit and shade trees around the homestead	154	MOZ-TS-HP	131
<b>Mango</b> , planting a mango orchard.	115	MOZ-TS-FO-mango	55
<b>Woodlot</b> , planting a woodlot of indigenous tree species to provide fire wood.	184	MOZ-TS-WL	189
<b>Boundary</b> , planting a border of trees around the field or <i>machamba</i> or indigenous tree species to reforest the area.	12 tCO <sub>2</sub> /100 m	MOZ-TS-BOU v. 2	2,472
<b>Gliricidia</b> , dispersed interplanting of a nitrogen fixing tree.	37	MOZ-TS-DIP var. Gliricidia	54
<b>No-burning of agri-residues</b> , a payment to the farmer to incorporate agri-residues and not burn them in piles which is baseline scenario.	26	MOZ-TS-NBA v. 4	2,249
<b>REDD+<sup>1</sup></b> , a conservation programme which rewards communities and individuals to protect zones from deforestation and degradation.	Dependent on stratification 39-158	Conservation of miombo woodland in Mozambique. Under going peer review. Ver 2.2	9,495
<b>Total area managed in project (ha)</b>			11,744 <sup>2</sup>

Table 1 Summary of Sofala agro-forestry and REDD+ activity.

<sup>1</sup> Previously Avoided deforestation technical specification, renamed in line with FAO definitions

<sup>2</sup> Area size is an approximation as agroforestry contracts may overlap on the same fields. Total agroforestry contract area is therefore greater than the absolute land contracts are on. In 2009 and 2010 fields have been enumerated. By 2011 an accurate area size is anticipated.

There are 1,520 farmers in the Gorongosa subproject and 1,419 in the Zambezi Delta subproject. Envirotrade agreed a price of \$4.46 per tCO<sub>2</sub> with farmers signing 2009-2010 contracts.

There are 141 new farmers with 184 2009-2010 contracts in Gorongosa subproject:

Name of producer	Ward	System	Season	tCO <sub>2</sub>	Buffer tCO <sub>2</sub>
Adelia Jose da Rocha	Mucinha Velha	Faidherbia	2009 - 2010	130	23
Adelia Mouzinho	Bue-Maria	Boundary	2009 - 2010	45	8
Adelino Verissimo Nhagumbo	Mucinha Velha	Homestead	2009 - 2010	7	1
Afonso Jampane Bacela	Bue-Maria	Boundary	2009 - 2010	65	11
Agelina Chamisso Chipuanha	Mutiambamba	Boundary	2009 - 2010	19	3
Aginalda Doris Nguirande	Mutiambamba	Boundary	2009 - 2010	37	7
Aida Ramos Guilherme	Munhanganha	Boundary	2009 - 2010	27	5
Alberto Daniel Mabuku	Nhambita	Boundary	2009 - 2010	78	14
Alberto Daniel Mabuku	Nhambita	Faidherbia	2009 - 2010	112	20
Alberto Daniel Mabuku	Nhambita	Homestead	2009 - 2010	8	1
Albino Lapisone Nhacaca	Mucinha Nova	Boundary	2009 - 2010	29	5
Amelia Carlos Antonio	Mbulawa	Boundary	2009 - 2010	42	7
Amelia Carlos Antonio	Mbulawa	Faidherbia	2009 - 2010	86	15
Amelia Francisco	Mutiambamba	Boundary	2009 - 2010	29	5
Amelia Vasco	Mbulawa	Boundary	2009 - 2010	40	7
Ana Alberto	Munhanganha	Boundary	2009 - 2010	37	6
Ana Mario Chimuaza	Mucinha Velha	Cashew	2009 - 2010	131	23
Anita Chaibande	Mbulawa	Boundary	2009 - 2010	57	10
Anita Felisberto	Mbulawa	Boundary	2009 - 2010	50	9
Antonia Francisco Geque	Mutiambamba	Boundary	2009 - 2010	32	6
Avelino Francisco Quembo	Mutiambamba	Boundary	2009 - 2010	43	8
Beatriz Albino Lapisone	Mucinha Nova	Boundary	2009 - 2010	25	4
Belinha Mateus	Mbulawa	Boundary	2009 - 2010	40	7
Belinha Pereira	Bue-Maria	Boundary	2009 - 2010	64	11
Bernardo Armindo Fata	Mutiambamba	Boundary	2009 - 2010	36	6
Bizito Bizeque Michone	Mutiambamba	Boundary	2009 - 2010	43	8
Chade Francisco Geque	Mutiambamba	Boundary	2009 - 2010	37	7
Chica Fogao Chiwewe	Munhanganha	Boundary	2009 - 2010	27	5
Chica Fogao Chiwewe	Munhanganha	Cashew	2009 - 2010	27	5
Chico Joao Luis	Mucinha Velha	Woodlot	2009 - 2010	485	86
Chico Miquisse Thomo	Mutiambamba	Boundary	2009 - 2010	55	10
Chingamoio Antonio Jemusse	Nhambita	Boundary	2009 - 2010	73	13
Cidalia Airosse Mapulango	Pungue	Boundary	2009 - 2010	56	10
Cincoano Gero Meque	Munhanganha	Boundary	2009 - 2010	41	7
Cincoano Gero Meque	Munhanganha	Faidherbia	2009 - 2010	114	20
Clementina Paulino Gonsalves	Mutiambamba	Boundary	2009 - 2010	47	8
Clementina Paulino Gonsalves	Mutiambamba	Faidherbia	2009 - 2010	116	21
Cristina Mpatice	Mucinha Velha	Faidherbia	2009 - 2010	108	19

Name of producer	Ward	System	Season	tCO <sub>2</sub>	Buffer tCO <sub>2</sub>
Daniel Chico Antonio	Mutiambamba	Boundary	2009 - 2010	51	9
Daniel Zito Munguengue	Nhambita	Boundary	2009 - 2010	27	5
Deolinda Daimone	Mbulawa	Boundary	2009 - 2010	32	6
Deolinda Daimone	Mbulawa	Boundary	2009 - 2010	32	6
Dias Feniasse Escova	Munhanganha	Boundary	2009 - 2010	35	6
Dogilina Zeca Silva	Mutiambamba	Boundary	2009 - 2010	38	7
Dois Verissimo Camacho	Mutiambamba	Boundary	2009 - 2010	17	3
Domingos Lucas Albano	Munhanganha	Boundary	2009 - 2010	41	7
Elias Amade Abudul	Mbulawa	Boundary	2009 - 2010	48	8
Elias Amade Abudul	Mbulawa	Boundary	2009 - 2010	42	7
Elisa Carlos Antonio	Mbulawa	Boundary	2009 - 2010	34	6
Elisa Carlos Antonio	Mbulawa	Faidherbia	2009 - 2010	71	12
Elizio Vasco Chapinduca	Mutiambamba	Boundary	2009 - 2010	33	6
Felipe Maurinho Caetano	Mucinha Velha	Boundary	2009 - 2010	50	9
Felipe Maurinho Caetano	Mucinha Velha	Faidherbia	2009 - 2010	132	23
Felismina Wait Champione	Mutiambamba	Boundary	2009 - 2010	61	11
Fina Simao Farias	Munhanganha	Boundary	2009 - 2010	34	6
Fineja Jose	Mutiambamba	Boundary	2009 - 2010	32	6
Fineja Paulo	Mbulawa	Boundary	2009 - 2010	28	5
Flora Domingos Araujo	Mutiambamba	Boundary	2009 - 2010	47	8
Fonseca Fernando Sanhati	Mbulawa	Boundary	2009 - 2010	65	11
Francisca Rosa Maibeque	Bue-Maria	Boundary	2009 - 2010	22	4
Francisco Dos Santos Samacho	Nhambita	Boundary	2009 - 2010	64	11
Francisco Dos Santos Samacho	Nhambita	Faidherbia	2009 - 2010	187	33
Francisco Maneca	Pungue	Boundary	2009 - 2010	29	5
Francisco Miguel Algumaca	Mbulawa	Boundary	2009 - 2010	59	10
Gabriel Bernardo Guente	Munhanganha	Boundary	2009 - 2010	70	12
Gina Tomas Jofrisse	Mbulawa	Boundary	2009 - 2010	23	4
Gonsalves Paulo Juliasse	Mutiambamba	Boundary	2009 - 2010	39	7
Graca Zito Fazenda	Bue-Maria	Boundary	2009 - 2010	28	5
Henriques Filipe Chiboma	Mutiambamba	Boundary	2009 - 2010	43	8
Henriques Filipe Chiboma	Mutiambamba	Boundary	2009 - 2010	32	6
Horacio Sidaziua Joao Jemuce	Mbulawa	Boundary	2009 - 2010	74	13
Hortencia Florindo Camacho	Mutiambamba	Boundary	2009 - 2010	39	7
Isabel Alberto Trocida	Mutiambamba	Boundary	2009 - 2010	34	6
Isabel Alberto Trocida	Mutiambamba	Boundary	2009 - 2010	23	4
Isabel Andre Garavata	Munhanganha	Faidherbia	2009 - 2010	81	14
Jacinta Daimone	Mbulawa	Boundary	2009 - 2010	45	8
Jacinta Daimone	Mbulawa	Boundary	2009 - 2010	17	3
Janeiro Gero Alfandiga	Mucinha Velha	Faidherbia	2009 - 2010	106	19
Janeiro Gero Alfandiga	Mucinha Velha	Homestead	2009 - 2010	5	1
Janeiro Gero Alfandiga	Mucinha Velha	Mango	2009 - 2010	31	5
Joao Eduardo Ranguisse	Nhambita	Faidherbia	2009 - 2010	35	6
Joao Jose Veja	Mbulawa	Boundary	2009 - 2010	38	7

Name of producer	Ward	System	Season	tCO <sub>2</sub>	Buffer tCO <sub>2</sub>
Joao Miquitaio Camunjoma	Mbulawa	Boundary	2009 - 2010	24	4
Joao Miquitaio Camunjoma	Mbulawa	Faidherbia	2009 - 2010	36	6
Joao Miquitaio Camunjoma	Mbulawa	Homestead	2009 - 2010	8	1
Joao Sainete Fernando	Mutiambamba	Boundary	2009 - 2010	30	5
Joao Tenesse	Mbulawa	Boundary	2009 - 2010	26	5
Jorge Ernesto Branco	Munhanganha	Boundary	2009 - 2010	44	8
Jose Manuel Gimo	Pungue	Boundary	2009 - 2010	29	5
Julho Bitone	Mbulawa	Boundary	2009 - 2010	58	10
Khoma Jaime Joao	Mutiambamba	Boundary	2009 - 2010	24	4
Laquista Jose Mario	Munhanganha	Boundary	2009 - 2010	56	10
Lianca Baracachima	Mucinha Nova	Boundary	2009 - 2010	24	4
Lucas Fonseca Fernando	Mbulawa	Boundary	2009 - 2010	32	6
Lucas Fonseca Fernando	Mbulawa	Boundary	2009 - 2010	32	6
Lucas Fonseca Fernando	Mbulawa	Boundary	2009 - 2010	54	10
Lucas Fonseca Fernando	Mbulawa	Boundary	2009 - 2010	85	15
Lucas Fonseca Fernando	Mbulawa	Boundary	2009 - 2010	46	8
Lucas Fonseca Fernando	Mbulawa	Faidherbia	2009 - 2010	172	30
Lucas Fonseca Fernando	Mbulawa	Faidherbia	2009 - 2010	109	19
Lucas Fonseca Fernando	Mbulawa	Homestead	2009 - 2010	12	2
Lucas Fonseca Fernando	Mbulawa	Woodlot	2009 - 2010	695	123
Lucas Guidione Jose	Mbulawa	Boundary	2009 - 2010	46	8
Lucas Guidione Jose	Mbulawa	Boundary	2009 - 2010	68	12
Lucia Albino Lapissonne	Mucinha Nova	Boundary	2009 - 2010	27	5
Lucia Araujo Camacho	Mutiambamba	Boundary	2009 - 2010	60	11
Lucia Baera	Mutiambamba	Boundary	2009 - 2010	46	8
Madalena Armindo Fata	Mutiambamba	Boundary	2009 - 2010	32	6
Magaio Zebidia Chifupi	Munhanganha	Boundary	2009 - 2010	65	11
Magaio Zebidia Chifupi	Munhanganha	Homestead	2009 - 2010	29	5
Manuel Francisco Gimo	Mutiambamba	Boundary	2009 - 2010	21	4
Manuel Francisco Gimo	Mutiambamba	Boundary	2009 - 2010	20	4
Manuel Francisco Gimo	Mutiambamba	Boundary	2009 - 2010	30	5
Marcos Fazenda Antonio	Munhanganha	Boundary	2009 - 2010	66	12
Maria do Ceu Agostinho Saimone	Munhanganha	Boundary	2009 - 2010	39	7
Maria Fabione	Mbulawa	Boundary	2009 - 2010	50	9
Maria Januario Kembo	Mbulawa	Boundary	2009 - 2010	37	6
Maria Patissene	Mbulawa	Boundary	2009 - 2010	47	8
Maria Tores Andrade	Munhanganha	Boundary	2009 - 2010	61	11
Marieta Maurinho Maibeque	Mbulawa	Boundary	2009 - 2010	44	8
Mario Chimuaza	Mucinha Velha	Homestead	2009 - 2010	8	1
Matalino Bizeque Michone	Mutiambamba	Boundary	2009 - 2010	54	9
Mateus Machipisse Charles	Mutiambamba	Boundary	2009 - 2010	33	6
Mateus Sevene Quendo	Munhanganha	Boundary	2009 - 2010	40	7
Mateus Vontade Armando	Mutiambamba	Boundary	2009 - 2010	58	10
Melita Vardinho Magonero	Bue-Maria	Boundary	2009 - 2010	40	7

Name of producer	Ward	System	Season	tCO <sub>2</sub>	Buffer tCO <sub>2</sub>
Mourinho Niquisse Supada	Mucinha Nova	Boundary	2009 - 2010	43	8
Muonessua Seda Joaquim	Pungue	Boundary	2009 - 2010	26	5
Ndamo Jose Jambo	Mucinha Velha	Woodlot	2009 - 2010	237	42
Nelsone Jose Veja	Mbulawa	Boundary	2009 - 2010	36	6
Neva Florindo Camacho	Mutiambamba	Boundary	2009 - 2010	38	7
Olga Massamba Assiana	Pungue	Boundary	2009 - 2010	54	10
Olidio Soda Mortar	Mutiambamba	Boundary	2009 - 2010	48	8
Olimpia Agostinho Bechane	Mbulawa	Boundary	2009 - 2010	32	6
Paulino Bene Meque	Mucinha Velha	Woodlot	2009 - 2010	229	40
Pedrito PauloJuliasse	Mutiambamba	Boundary	2009 - 2010	60	11
Pedro Gimo Mines	Mutiambamba	Boundary	2009 - 2010	61	11
Pedro Sozinho Samo	Pungue	Boundary	2009 - 2010	37	7
Pereira Jairosse	Mucinha Velha	Boundary	2009 - 2010	165	29
Pereira Jairosse	Mucinha Velha	Boundary	2009 - 2010	58	10
Pereira Jairosse	Mucinha Velha	Cashew	2009 - 2010	117	21
Pereira Jornal Tole	Nhambita	Boundary	2009 - 2010	66	12
Pinto Jone	Mbulawa	Boundary	2009 - 2010	58	10
Quinita Florindo Camacho	Mutiambamba	Boundary	2009 - 2010	35	6
Resta Torres	Mbulawa	Boundary	2009 - 2010	32	6
Resta Torres	Mbulawa	Boundary	2009 - 2010	46	8
Rogerio Ernesto Sevane	Pungue	Boundary	2009 - 2010	32	6
Rosa Doris	Nhambita	Boundary	2009 - 2010	53	9
Rosa Jose Saimone	Pungue	Boundary	2009 - 2010	30	5
Roseta Fazenda	Bue-Maria	Boundary	2009 - 2010	66	12
Rosinha Dique Chimuaza	Mucinha Velha	Faidherbia	2009 - 2010	57	10
Rosita Fazenda	Pungue	Boundary	2009 - 2010	41	7
Salomao Antonio Nhangue	Munhanganha	Boundary	2009 - 2010	34	6
Samuel Albino	Mutiambamba	Boundary	2009 - 2010	43	8
Samuel Petrosse	Mbulawa	Boundary	2009 - 2010	61	11
Santos Escova Camucheca	Nhambita	Boundary	2009 - 2010	62	11
Santos Fabione	Mbulawa	Boundary	2009 - 2010	55	10
Santos Fonseca Fernando	Mbulawa	Boundary	2009 - 2010	26	5
Silva Zeca Njara	Mutiambamba	Boundary	2009 - 2010	37	7
Sonia Elias Sete	Mutiambamba	Boundary	2009 - 2010	36	6
Teliz Sixpense Gimo	Mucinha Velha	Woodlot	2009 - 2010	84	15
Terezinha Bene Meque	Mucinha Velha	Faidherbia	2009 - 2010	116	21
Texeira Agostinho Saimone	Munhanganha	Boundary	2009 - 2010	27	5
Timoteo Feniasse Magoboza	Munhanganha	Boundary	2009 - 2010	47	8
Tito Paulino Rego	Mbulawa	Boundary	2009 - 2010	96	17
Tomas Simao Isaias	Munhanganha	Boundary	2009 - 2010	58	10
Tome Antonio	Mucinha Velha	Boundary	2009 - 2010	47	8
Victoria Fombe	Mbulawa	Boundary	2009 - 2010	58	10
Victoria Mouzinho Jambo	Mbulawa	Boundary	2009 - 2010	72	13
Zaida Doris Nguirande	Mutiambamba	Boundary	2009 - 2010	29	5

Name of producer	Ward	System	Season	tCO <sub>2</sub>	Buffer tCO <sub>2</sub>
Zeca Muchimica	Mbulawa	Boundary	2009 - 2010	55	10
Zilda Torres Buraunde	Mutiambamba	Boundary	2009 - 2010	35	6
Zito Miquitaio Camunjoma	Mbulawa	Boundary	2009 - 2010	37	7
Zito Miquitaio Camunjoma	Mbulawa	Boundary	2009 - 2010	35	6
Zito Miquitaio Camunjoma	Mbulawa	Boundary	2009 - 2010	16	3
Zito Miquitaio Camunjoma	Mbulawa	Boundary	2009 - 2010	85	15
Zito Miquitaio Camunjoma	Mbulawa	Faidherbia	2009 - 2010	387	68
Zito Miquitaio Camunjoma	Mbulawa	Faidherbia	2009 - 2010	86	15
Zito Miquitaio Camunjoma	Mbulawa	Faidherbia	2009 - 2010	16	3
Zito Miquitaio Camunjoma	Mbulawa	Homestead	2009 - 2010	7	1
Zito Miquitaio Camunjoma	Mbulawa	Homestead	2009 - 2010	5	1
Zito Miquitaio Camunjoma	Mbulawa	Woodlot	2009 - 2010	106	19
Zobrinha Maibeque Tembo	Mbulawa	Boundary	2009 - 2010	33	6
Zobrinha Maibeque Tembo	Mbulawa	Faidherbia	2009 - 2010	61	11

**Table 2 New producers Gorongosa subproject 2010.**

There are 534 new farmers with 536 2009-2010 contracts in Zambezi Delta subproject:

Name of producer	Ward	System	Season	tCO <sub>2</sub>	Buffer tCO <sub>2</sub>
Abilio Jose Champione	Chirimadzi	Boundary	2009 - 2010	36	6
Aissa Fombe Joaquinho	Chirimadzi	Boundary	2009 - 2010	24	4
Alberto Brisito Bitone	Chirimadzi	Boundary	2009 - 2010	43	8
Americo Samssone	Chirimadzi	Boundary	2009 - 2010	51	9
Antonio Bernardo Ernesto	Chirimadzi	Boundary	2009 - 2010	46	8
Antonio Marcelino Ngano	Chirimadzi	Boundary	2009 - 2010	55	10
Asmaida Francisco	Chirimadzi	Boundary	2009 - 2010	32	6
Augusta Marcos Jasse	Chirimadzi	Boundary	2009 - 2010	60	11
Azevedo Custodio	Chirimadzi	Boundary	2009 - 2010	49	9
Belita Baptista Inacio	Chirimadzi	Boundary	2009 - 2010	55	10
Bento Chico Fole	Chirimadzi	Boundary	2009 - 2010	47	8
Brisito Bitone Antigo	Chirimadzi	Boundary	2009 - 2010	44	8
Carlos Charles Chibante	Chirimadzi	Boundary	2009 - 2010	48	9
Carlotas Jose Satini	Chirimadzi	Boundary	2009 - 2010	33	6
Cecilia Jose Saene	Chirimadzi	Boundary	2009 - 2010	37	7
Celestino Manuel Jeque	Chirimadzi	Boundary	2009 - 2010	29	5
Choveria Bendessene	Chirimadzi	Boundary	2009 - 2010	36	6
Coveria Bendessene	Chirimadzi	Boundary	2009 - 2010	37	7
Daniel Jorge Bonga	Chirimadzi	Boundary	2009 - 2010	110	19
Dorca Alberto Armando	Chirimadzi	Boundary	2009 - 2010	42	7
Elias Sandramo	Chirimadzi	Boundary	2009 - 2010	43	8
Enia Jufulae	Chirimadzi	Boundary	2009 - 2010	28	5
Erina Bernardo Bene	Chirimadzi	Boundary	2009 - 2010	39	7
Eva Samuel Pempha	Chirimadzi	Boundary	2009 - 2010	46	8
Fatima Luis Cancopa	Chirimadzi	Boundary	2009 - 2010	41	7
Feliciano Benjamin	Chirimadzi	Boundary	2009 - 2010	41	7
Fernando Creva Parafino	Chirimadzi	Boundary	2009 - 2010	33	6
Graca Marco Jone	Chirimadzi	Boundary	2009 - 2010	56	10
Ines Francisco Pinto	Chirimadzi	Boundary	2009 - 2010	39	7
Isabel Francisco Joao	Chirimadzi	Boundary	2009 - 2010	33	6
Izaque Manuel	Chirimadzi	Boundary	2009 - 2010	52	9
Izaquiel Gabriel	Chirimadzi	Boundary	2009 - 2010	47	8
Jacob Jorge Bonga	Chirimadzi	Boundary	2009 - 2010	46	8
Joana Charles Alberto	Chirimadzi	Boundary	2009 - 2010	54	10
Joao Antonio Mazalamunda	Chirimadzi	Boundary	2009 - 2010	46	8

Name of producer	Ward	System	Season	tCO <sub>2</sub>	Buffer tCO <sub>2</sub>
Joao Jose Champione	Chirimadzi	Boundary	2009 - 2010	43	8
Joaquim Zeca Fostino	Chirimadzi	Boundary	2009 - 2010	101	18
Jorge Bizeque Jose	Chirimadzi	Boundary	2009 - 2010	32	6
Jose Antonio Jose	Chirimadzi	Boundary	2009 - 2010	64	11
Jose Samissone	Chirimadzi	Boundary	2009 - 2010	47	8
Luis Chico Armando	Chirimadzi	Boundary	2009 - 2010	38	7
Maculada Faife Micana	Chirimadzi	Boundary	2009 - 2010	31	5
Madezenha Benjamin	Chirimadzi	Boundary	2009 - 2010	40	7
Manuel Beca	Chirimadzi	Boundary	2009 - 2010	52	9
Marcos Chico Sandramo	Chirimadzi	Boundary	2009 - 2010	33	6
Maria Armindo Bitone	Chirimadzi	Boundary	2009 - 2010	35	6
Maria Bizeque Jose	Chirimadzi	Boundary	2009 - 2010	55	10
Mario Francisco Mario	Chirimadzi	Boundary	2009 - 2010	65	11
Merinda Eduardo	Chirimadzi	Boundary	2009 - 2010	42	7
Mineses Saene	Chirimadzi	Boundary	2009 - 2010	46	8
Nita Paulino Jofrisse	Chirimadzi	Boundary	2009 - 2010	37	7
Nsai Antonio Jose	Chirimadzi	Boundary	2009 - 2010	53	9
Paramilia Benate Melo	Chirimadzi	Boundary	2009 - 2010	47	8
Paulo Antonio Jose	Chirimadzi	Boundary	2009 - 2010	35	6
Querida Albano do Luis	Chirimadzi	Boundary	2009 - 2010	40	7
Raquinha Gabriel	Chirimadzi	Boundary	2009 - 2010	54	10
Rita Antonio Lino	Chirimadzi	Boundary	2009 - 2010	38	7
Roda Saene Quembo	Chirimadzi	Boundary	2009 - 2010	45	8
Rosa Cabral	Chirimadzi	Boundary	2009 - 2010	53	9
Saimone Alberto Armando	Chirimadzi	Boundary	2009 - 2010	43	8
Simao Alberto Armando	Chirimadzi	Boundary	2009 - 2010	51	9
Simeia Jose	Chirimadzi	Boundary	2009 - 2010	67	12
Suzana Jose Bonjesse	Chirimadzi	Boundary	2009 - 2010	40	7
Talingue Paulino	Chirimadzi	Boundary	2009 - 2010	64	11
Tiago Mazambane	Chirimadzi	Boundary	2009 - 2010	43	8
Tina Languisse	Chirimadzi	Boundary	2009 - 2010	45	8
Tome Bonga	Chirimadzi	Boundary	2009 - 2010	57	10
Tome Salicuphepa	Chirimadzi	Boundary	2009 - 2010	38	7
Toni Charles	Chirimadzi	Boundary	2009 - 2010	10	2
Truzao Chico Sandramo	Chirimadzi	Boundary	2009 - 2010	44	8
Veronica Lourenco Mavessa	Chirimadzi	Boundary	2009 - 2010	38	7
Victoria Sozinho	Chirimadzi	Boundary	2009 - 2010	69	12
Zaleta Bulaco Njinga	Chirimadzi	Boundary	2009 - 2010	35	6
Otilia Baera Gande	Chirimadzi	Boundary	2009 - 2010	37	6
Angelina Mesa	Chirimadzi	Cashew	2009 - 2010	68	12
Antonio Amissé Charles	Chirimadzi	Cashew	2009 - 2010	606	107
Antonio Joaquim Bueza	Chirimadzi	Cashew	2009 - 2010	89	16
Benjamin Waete	Chirimadzi	Cashew	2009 - 2010	24	4
Brisito Wesa Ndalua	Chirimadzi	Cashew	2009 - 2010	360	64
Creva Parafino	Chirimadzi	Cashew	2009 - 2010	150	27
Cristina Lazaro Francisco	Chirimadzi	Cashew	2009 - 2010	144	25
Elena Tomas Charles	Chirimadzi	Cashew	2009 - 2010	154	27
Elias Domingos Joao Samo	Chirimadzi	Cashew	2009 - 2010	107	19
Francisco Paulino Mbofana	Chirimadzi	Cashew	2009 - 2010	70	12
Izaquiel Chico Paulino	Chirimadzi	Cashew	2009 - 2010	218	38
Izaquiel Francisco Gucumbe	Chirimadzi	Cashew	2009 - 2010	27	5
Jermia Francisco Paulino	Chirimadzi	Cashew	2009 - 2010	101	18
Joadito Antonio Mbueza	Chirimadzi	Cashew	2009 - 2010	167	29
Joao Cussamwa	Chirimadzi	Cashew	2009 - 2010	181	32
Joao Mario Januario	Chirimadzi	Cashew	2009 - 2010	103	18
Jose Mario Nfino	Chirimadzi	Cashew	2009 - 2010	141	25
Laurinha Alberto Danca	Chirimadzi	Cashew	2009 - 2010	80	14
Manuel Antonio Sambane	Chirimadzi	Cashew	2009 - 2010	331	58
Manuel Fernando Manuel	Chirimadzi	Cashew	2009 - 2010	85	15
Maria Antonio Sambane	Chirimadzi	Cashew	2009 - 2010	100	18
Nhatua Joao Alberto Tesoura	Chirimadzi	Cashew	2009 - 2010	129	23
Pordina Mariano Nfino	Chirimadzi	Cashew	2009 - 2010	148	26
Sauda Bizeque	Chirimadzi	Cashew	2009 - 2010	248	44
Tomo Manuel Tomo	Chirimadzi	Cashew	2009 - 2010	119	21
Adelia Elias Malua	Chirimadzi	Homestead	2009 - 2010	42	7
Alberto Manuel Thole	Chirimadzi	Homestead	2009 - 2010	52	9

Name of producer	Ward	System	Season	tCO <sub>2</sub>	Buffer tCO <sub>2</sub>
Alberto Tomossene	Chirimadzi	Homestead	2009 - 2010	28	5
Americo Luis Mponha	Chirimadzi	Homestead	2009 - 2010	66	12
Antonio Felix	Chirimadzi	Homestead	2009 - 2010	17	3
Antonio Luis Flete	Chirimadzi	Homestead	2009 - 2010	31	6
Antonio Sanzaiane	Chirimadzi	Homestead	2009 - 2010	62	11
Beti Nguirazi	Chirimadzi	Homestead	2009 - 2010	16	3
Chica Tomas Ntinda	Chirimadzi	Homestead	2009 - 2010	21	4
Chico Jose Saene	Chirimadzi	Homestead	2009 - 2010	22	4
Custaliva Francisco Alberto	Chirimadzi	Homestead	2009 - 2010	14	3
Domingos Chico Antonio	Chirimadzi	Homestead	2009 - 2010	122	22
Domingos Joao Nhanzeca	Chirimadzi	Homestead	2009 - 2010	37	6
Elias Alberto Socre	Chirimadzi	Homestead	2009 - 2010	7	1
Farenca Comessario	Chirimadzi	Homestead	2009 - 2010	29	5
Felizardo Luis Comessario	Chirimadzi	Homestead	2009 - 2010	21	4
Francisco Quino Cantema	Chirimadzi	Homestead	2009 - 2010	28	5
Goncalves Bulaunde	Chirimadzi	Homestead	2009 - 2010	20	3
Inacio Jose Chiyowo	Chirimadzi	Homestead	2009 - 2010	56	10
Inacio Micolawa	Chirimadzi	Homestead	2009 - 2010	34	6
Joana Alberto Cassaera	Chirimadzi	Homestead	2009 - 2010	10	2
Joana Alberto Tesoura	Chirimadzi	Homestead	2009 - 2010	54	9
Joana Benjamin Cassaera	Chirimadzi	Homestead	2009 - 2010	17	3
Joana Bitoni Viega	Chirimadzi	Homestead	2009 - 2010	29	5
Joao Manuel Cherene	Chirimadzi	Homestead	2009 - 2010	12	2
Joca Chico Sandramo	Chirimadzi	Homestead	2009 - 2010	33	6
Johane Ticha	Chirimadzi	Homestead	2009 - 2010	25	4
Jordao Tato Luis	Chirimadzi	Homestead	2009 - 2010	17	3
Jose Lole Catandica	Chirimadzi	Homestead	2009 - 2010	48	9
Linda Paulino Mineses	Chirimadzi	Homestead	2009 - 2010	59	10
Luisa Antonio	Chirimadzi	Homestead	2009 - 2010	22	4
Lurde Arnancia	Chirimadzi	Homestead	2009 - 2010	71	12
Manuel Tome	Chirimadzi	Homestead	2009 - 2010	17	3
Maria Jose Njange	Chirimadzi	Homestead	2009 - 2010	13	2
Marta Ranito Saene	Chirimadzi	Homestead	2009 - 2010	16	3
Nhale Luis Condowera	Chirimadzi	Homestead	2009 - 2010	24	4
Zacaria Jane	Chirimadzi	Homestead	2009 - 2010	29	5
Fineja Agostinho	Chirimadzi	Homestead	2009 - 2010	17	3
Adelino Bernardo Ernesto	Chirimadzi	Intercropping	2009 - 2010	384	68
Antonio Ernesto Filimone	Chirimadzi	Intercropping	2009 - 2010	99	17
Alberto Chico Chibante	Chirimadzi	Woodlot	2009 - 2010	192	34
Alberto Estevao Alberto	Chirimadzi	Woodlot	2009 - 2010	404	71
Assiminha Wingui	Chirimadzi	Woodlot	2009 - 2010	270	48
Benjamin Vicente	Chirimadzi	Woodlot	2009 - 2010	190	34
Elias Antonio Mineses	Chirimadzi	Woodlot	2009 - 2010	573	101
Felizarda Manuel dos Ferros	Chirimadzi	Woodlot	2009 - 2010	215	38
Helena Joao Canavete	Chirimadzi	Woodlot	2009 - 2010	109	19
Isabel Jose Antonio	Chirimadzi	Woodlot	2009 - 2010	432	76
Isabel Jose Satini	Chirimadzi	Woodlot	2009 - 2010	243	43
Jaime Mario Beta	Chirimadzi	Woodlot	2009 - 2010	492	87
Joao Brazil Paulo	Chirimadzi	Woodlot	2009 - 2010	175	31
Jose Camanguira Sati	Chirimadzi	Woodlot	2009 - 2010	204	36
Jose Saize Antonio	Chirimadzi	Woodlot	2009 - 2010	131	23
Limpo Luis Chibante	Chirimadzi	Woodlot	2009 - 2010	165	29
Linda Alberto Estevao	Chirimadzi	Woodlot	2009 - 2010	145	26
Linda Fanuel Mponha	Chirimadzi	Woodlot	2009 - 2010	100	18
Luis Antonio Carlos	Chirimadzi	Woodlot	2009 - 2010	249	44
Luis Antonio Vale	Chirimadzi	Woodlot	2009 - 2010	165	29
Luis Brisito Bitone	Chirimadzi	Woodlot	2009 - 2010	145	26
Marcos Pereira Simbe	Chirimadzi	Woodlot	2009 - 2010	50	9
Maria Sonil Viega	Chirimadzi	Woodlot	2009 - 2010	207	37
Maria Teresa Mario Jose	Chirimadzi	Woodlot	2009 - 2010	494	87
Paulo Filimone Goveia	Chirimadzi	Woodlot	2009 - 2010	379	67
Raninha Angel Sarafim	Chirimadzi	Woodlot	2009 - 2010	235	42
Raul Zeca Andrade	Chirimadzi	Woodlot	2009 - 2010	154	27
Rita Mario Jose	Chirimadzi	Woodlot	2009 - 2010	329	58
Satita Black Camanguira	Chirimadzi	Woodlot	2009 - 2010	112	20
Tome Victor Domingos	Chirimadzi	Woodlot	2009 - 2010	232	41

Name of producer	Ward	System	Season	tCO <sub>2</sub>	Buffer tCO <sub>2</sub>
Zinha Joao Seda	Chirimadzi	Woodlot	2009 - 2010	220	39
Alberto Bitoni	Chithunco	Boundary	2009 - 2010	40	2
Alverino Alfinete	Chithunco	Boundary	2009 - 2010	47	2
Amelia Manuel Ngano	Chithunco	Boundary	2009 - 2010	37	1
Antonio Albino	Chithunco	Boundary	2009 - 2010	44	10
Antonio Jose Chithunco	Chithunco	Boundary	2009 - 2010	32	-
Artur Merro	Chithunco	Boundary	2009 - 2010	36	6
Baptista Barros	Chithunco	Boundary	2009 - 2010	40	7
Bento Albino	Chithunco	Boundary	2009 - 2010	35	8
Bernardo Vontade	Chithunco	Boundary	2009 - 2010	73	10
Celestino Benjemane	Chithunco	Boundary	2009 - 2010	48	4
Chica Manuel Ngano	Chithunco	Boundary	2009 - 2010	101	1
Chico Francisco	Chithunco	Boundary	2009 - 2010	36	1
Custava Nhalugue	Chithunco	Boundary	2009 - 2010	20	5
Domingos Da Silva	Chithunco	Boundary	2009 - 2010	75	5
Feliciano Benjemane	Chithunco	Boundary	2009 - 2010	73	1
Feliciano Malissa	Chithunco	Boundary	2009 - 2010	76	1
Felisberto Malissa	Chithunco	Boundary	2009 - 2010	127	1
Felix Albino Campira	Chithunco	Boundary	2009 - 2010	19	4
Felix Manenca	Chithunco	Boundary	2009 - 2010	107	10
Fernando Tomossene	Chithunco	Boundary	2009 - 2010	61	8
Flaminha Victor	Chithunco	Boundary	2009 - 2010	27	13
Holga Mariano	Chithunco	Boundary	2009 - 2010	41	6
Horlando Jose Saene	Chithunco	Boundary	2009 - 2010	20	1
Januario Agostinho Manga	Chithunco	Boundary	2009 - 2010	47	2
Jeronimo Zunze	Chithunco	Boundary	2009 - 2010	39	-
Joao Antonio Chithunco	Chithunco	Boundary	2009 - 2010	22	4
Joao Armindo	Chithunco	Boundary	2009 - 2010	33	1
Joao Certeza	Chithunco	Boundary	2009 - 2010	77	7
Joao Elja	Chithunco	Boundary	2009 - 2010	41	-
Joao Gundassi	Chithunco	Boundary	2009 - 2010	23	1
Joao Mariano Chimica	Chithunco	Boundary	2009 - 2010	46	4
Joaquim Lourenco	Chithunco	Boundary	2009 - 2010	38	1
Jose Gaspar	Chithunco	Boundary	2009 - 2010	49	6
Lucas Gaspar	Chithunco	Boundary	2009 - 2010	37	4
Luis Joao	Chithunco	Boundary	2009 - 2010	30	1
Marcelino Fungo	Chithunco	Boundary	2009 - 2010	43	5
Marco Greia	Chithunco	Boundary	2009 - 2010	91	1
Mateus Daimone	Chithunco	Boundary	2009 - 2010	62	1
Miquitaio Quembo	Chithunco	Boundary	2009 - 2010	48	5
Novaque Armando	Chithunco	Boundary	2009 - 2010	41	7
Paulino Albano	Chithunco	Boundary	2009 - 2010	71	2
Paulino Tema	Chithunco	Boundary	2009 - 2010	20	3
Pedro Zacarias	Chithunco	Boundary	2009 - 2010	53	1
Pita Marcos	Chithunco	Boundary	2009 - 2010	75	2
Tinto Moises	Chithunco	Boundary	2009 - 2010	28	1
Tomas Pensa	Chithunco	Boundary	2009 - 2010	84	1
Toni Gaspar	Chithunco	Boundary	2009 - 2010	21	1
Valena Sande	Chithunco	Boundary	2009 - 2010	56	3
Viriate Joao Nhangua	Chithunco	Boundary	2009 - 2010	20	1
Zeca Americo	Chithunco	Boundary	2009 - 2010	35	4
Zecardo Fernando	Chithunco	Boundary	2009 - 2010	54	11
Zinha Miquitaio	Chithunco	Boundary	2009 - 2010	57	7
Zinto Francisco	Chithunco	Boundary	2009 - 2010	37	1
Bernardo Honicela	Chithunco	Boundary	2009 - 2010	43	5
Dalesse Rastoni	Chithunco	Boundary	2009 - 2010	21	2
Samuel Macheca Bissopo	Chithunco	Boundary	2009 - 2010	76	1
Santos Mopessi	Chithunco	Boundary	2009 - 2010	76	11
Zento Vernijo	Chithunco	Boundary	2009 - 2010	534	2
Elias Vinte Alfinete	Chithunco	Homestead	2009 - 2010	25	4
Evelina Bernardo	Chithunco	Homestead	2009 - 2010	12	1
Joao Luis Buno	Chithunco	Homestead	2009 - 2010	140	25
Joao Viriate Nhangua	Chithunco	Homestead	2009 - 2010	13	1
Lucas Namanta	Chithunco	Homestead	2009 - 2010	20	3
Mateus Vasco	Chithunco	Homestead	2009 - 2010	42	1
Tongue Malissa	Chithunco	Homestead	2009 - 2010	3	5

Name of producer	Ward	System	Season	tCO <sub>2</sub>	Buffer tCO <sub>2</sub>
Angelina Almeida	Chithunco	Intercropping	2009 - 2010	15	3
Izaquiel Ernesto	Chithunco	Intercropping	2009 - 2010	26	5
Luisa Chagunda	Chithunco	Intercropping	2009 - 2010	106	19
Mafala Raice	Chithunco	Intercropping	2009 - 2010	162	29
Paramilia Araujo	Chithunco	Intercropping	2009 - 2010	70	12
Ramin Domingos Nonta	Chithunco	Intercropping	2009 - 2010	5	1
Tereza Pedro	Chithunco	Intercropping	2009 - 2010	240	42
Timoteo Mafala	Chithunco	Intercropping	2009 - 2010	274	48
Anita Joaquim Cine	Cine	Boundary	2009 - 2010	19	3
Florencia Bernardo	Cine	Boundary	2009 - 2010	20	4
Jerita Manuel	Cine	Boundary	2009 - 2010	33	6
Jordan Francisco	Cine	Boundary	2009 - 2010	27	5
Lorinha Sande	Cine	Boundary	2009 - 2010	25	4
Luisa Jorge	Cine	Boundary	2009 - 2010	34	6
Albino Francisco	Cine	Homestead	2009 - 2010	7	1
Antonio Charles	Cine	Homestead	2009 - 2010	7	1
Brisito Aniva	Cine	Homestead	2009 - 2010	4	1
Elisa Marcos	Cine	Homestead	2009 - 2010	24	4
Fancane Ofumane	Cine	Homestead	2009 - 2010	31	6
Tina Alves	Cine	Homestead	2009 - 2010	4	1
Adelia Carlos	Gorra	Boundary	2009 - 2010	21	4
Anguista Luis	Gorra	Boundary	2009 - 2010	20	4
Antonio M. Theze	Gorra	Boundary	2009 - 2010	18	3
Augustina Bissopo	Gorra	Boundary	2009 - 2010	22	4
Augusto Domingos	Gorra	Boundary	2009 - 2010	38	7
Carlotas Domingos	Gorra	Boundary	2009 - 2010	13	2
Carlotas Gaute	Gorra	Boundary	2009 - 2010	57	10
Chico Felix Njange	Gorra	Boundary	2009 - 2010	22	4
Chico Gardasse	Gorra	Boundary	2009 - 2010	58	10
Chimica Mariano	Gorra	Boundary	2009 - 2010	38	7
Domingos Gaute	Gorra	Boundary	2009 - 2010	16	3
Domingos Montinho	Gorra	Boundary	2009 - 2010	30	5
Emilia Capitao	Gorra	Boundary	2009 - 2010	16	3
Fasbem Jose Jacassene	Gorra	Boundary	2009 - 2010	28	5
Florencia Fernando	Gorra	Boundary	2009 - 2010	25	4
Helena Luis	Gorra	Boundary	2009 - 2010	21	4
Isabel Marques Jo	Gorra	Boundary	2009 - 2010	18	3
Isaquier Joao Albino	Gorra	Boundary	2009 - 2010	29	5
Isaquier Joao Luis	Gorra	Boundary	2009 - 2010	53	9
Joao Albino Cussedea	Gorra	Boundary	2009 - 2010	49	9
Joao Bulande Nsunga	Gorra	Boundary	2009 - 2010	30	5
Joao C. Bene	Gorra	Boundary	2009 - 2010	49	9
Joao Jovencio	Gorra	Boundary	2009 - 2010	14	2
Lucia Jose Pinto	Gorra	Boundary	2009 - 2010	22	4
Luisa Francisco	Gorra	Boundary	2009 - 2010	30	5
Luisa Njizi	Gorra	Boundary	2009 - 2010	40	7
Malieta Manuel Gonda	Gorra	Boundary	2009 - 2010	15	3
Manecas Botao	Gorra	Boundary	2009 - 2010	19	3
Manuel Chico Phipo	Gorra	Boundary	2009 - 2010	18	3
Manuel Manecas Botao	Gorra	Boundary	2009 - 2010	22	4
Maria Antonio Vale	Gorra	Boundary	2009 - 2010	28	5
Maria Tome Nsendua	Gorra	Boundary	2009 - 2010	24	4
Marques Jo Nhamalemba	Gorra	Boundary	2009 - 2010	69	12
Marta Benjamin	Gorra	Boundary	2009 - 2010	12	2
Mateus Z. Mbalate	Gorra	Boundary	2009 - 2010	21	4
Paulino Vinte Nhacatundo	Gorra	Boundary	2009 - 2010	47	8
Paulo Joaquim	Gorra	Boundary	2009 - 2010	19	3
Rasca Tome	Gorra	Boundary	2009 - 2010	33	6
Rosa Bissopo	Gorra	Boundary	2009 - 2010	16	3
Sebastiana Santos	Gorra	Boundary	2009 - 2010	73	13
Tereza Domingos	Gorra	Boundary	2009 - 2010	46	8
Tomas Benjamin Ntanga	Gorra	Boundary	2009 - 2010	52	9
Tomas Jermias Jose	Gorra	Boundary	2009 - 2010	22	4
Valentim Domingos Melo	Gorra	Boundary	2009 - 2010	17	3
Vasco Joao Souza	Gorra	Boundary	2009 - 2010	56	10
Victoria Luis	Gorra	Boundary	2009 - 2010	40	7

Name of producer	Ward	System	Season	tCO <sub>2</sub>	Buffer tCO <sub>2</sub>
Zecas Araujo Rede	Gorra	Boundary	2009 - 2010	63	11
Zinha Benjamin	Gorra	Boundary	2009 - 2010	75	13
Charles Simbe Cabulucuto	Gorra	Homestead	2009 - 2010	30	5
Chico Batala	Gorra	Homestead	2009 - 2010	22	4
Emilia Albino Cuseta	Gorra	Homestead	2009 - 2010	17	3
Escola Primaria de Armando E. Geububa	Gorra	Homestead	2009 - 2010	265	47
Maria Chico Majambe	Gorra	Homestead	2009 - 2010	22	4
Mfino Charles	Gorra	Homestead	2009 - 2010	18	3
Micaeira T. Domingos	Gorra	Homestead	2009 - 2010	17	3
Vasco Antonio Therere	Gorra	Homestead	2009 - 2010	31	6
Joana Antonio Hale	Gorra	Intercropping	2009 - 2010	173	31
Soninha Alberto	Gorra	Intercropping	2009 - 2010	26	5
Victoria Antonio Vale	Gorra	Intercropping	2009 - 2010	189	33
Adelia Zecas	Gorra	NF	2009 - 2010	6	1
Tomas Jo	Gorra	NF	2009 - 2010	7	1
Vasco dos Santos	Gorra	Woodlot	2009 - 2010	33	6
Victor Bizardo	Gorra	Woodlot	2009 - 2010	98	17
Adelia Antonio	Guma	Boundary	2009 - 2010	26	5
Adelia Luca Pedro	Guma	Boundary	2009 - 2010	41	7
Aida Tomo	Guma	Boundary	2009 - 2010	58	10
Alberto Jequessene	Guma	Boundary	2009 - 2010	83	15
Ana Bizeque	Guma	Boundary	2009 - 2010	14	3
Anita Mussa	Guma	Boundary	2009 - 2010	29	5
Antonio Fernando Tomo	Guma	Boundary	2009 - 2010	82	15
Antonio Jone	Guma	Boundary	2009 - 2010	34	6
Antonio Seteca	Guma	Boundary	2009 - 2010	68	12
Atilia Jose	Guma	Boundary	2009 - 2010	37	7
Azarias Doliz	Guma	Boundary	2009 - 2010	86	15
Bastiana Antonio	Guma	Boundary	2009 - 2010	37	7
Bastiana Miquixone	Guma	Boundary	2009 - 2010	28	5
Bulaunde Serao	Guma	Boundary	2009 - 2010	74	13
Carlos Alberto Jequessene	Guma	Boundary	2009 - 2010	40	7
Castro Malissane	Guma	Boundary	2009 - 2010	46	8
Cecilia Jose	Guma	Boundary	2009 - 2010	87	15
Chanaze Armando	Guma	Boundary	2009 - 2010	25	4
Chanaze Bulaunde	Guma	Boundary	2009 - 2010	60	11
Chanaze Doliz	Guma	Boundary	2009 - 2010	7	1
Chanaze Fernando	Guma	Boundary	2009 - 2010	31	6
Chica Bulaunde	Guma	Boundary	2009 - 2010	63	11
Chica Estantonio	Guma	Boundary	2009 - 2010	27	5
Clara Francisco	Guma	Boundary	2009 - 2010	38	7
Domingos Lourenco	Guma	Boundary	2009 - 2010	30	5
Elisa Baera	Guma	Boundary	2009 - 2010	44	8
Elisa Jose	Guma	Boundary	2009 - 2010	50	9
Fana Joao	Guma	Boundary	2009 - 2010	29	5
Fominha Farias	Guma	Boundary	2009 - 2010	64	11
Francisco Macoreia Tomo	Guma	Boundary	2009 - 2010	87	15
Iassa Antonio	Guma	Boundary	2009 - 2010	38	7
Inacio Augusto	Guma	Boundary	2009 - 2010	48	8
Ines Alberto	Guma	Boundary	2009 - 2010	33	6
Ines Luis	Guma	Boundary	2009 - 2010	47	8
Isabel Chico	Guma	Boundary	2009 - 2010	56	10
Isabel Vasco	Guma	Boundary	2009 - 2010	26	5
Joao Chico	Guma	Boundary	2009 - 2010	29	5
Joao Fernando	Guma	Boundary	2009 - 2010	19	3
Joao Manuel	Guma	Boundary	2009 - 2010	24	4
Joao Mussa Madane	Guma	Boundary	2009 - 2010	53	9
Joao Serao Jasse	Guma	Boundary	2009 - 2010	51	9
Jose Charles	Guma	Boundary	2009 - 2010	16	3
Jose Filipe	Guma	Boundary	2009 - 2010	43	8
Jose Lourenco Bola	Guma	Boundary	2009 - 2010	55	10
Jose Madeira	Guma	Boundary	2009 - 2010	26	5
Jose Tambula	Guma	Boundary	2009 - 2010	67	12
Julia Luis Maponge	Guma	Boundary	2009 - 2010	50	9
Juliana Vale	Guma	Boundary	2009 - 2010	84	15

Name of producer	Ward	System	Season	tCO <sub>2</sub>	Buffer tCO <sub>2</sub>
Lena Doliz	Guma	Boundary	2009 - 2010	37	7
Lisa Albano	Guma	Boundary	2009 - 2010	58	10
Lisa Joao Balanca	Guma	Boundary	2009 - 2010	33	6
Lourenco Jose Bola	Guma	Boundary	2009 - 2010	67	12
Lucas Joao	Guma	Boundary	2009 - 2010	24	4
Luís Antonio	Guma	Boundary	2009 - 2010	30	5
Lurde Limpo	Guma	Boundary	2009 - 2010	32	6
Maninha Ernesto	Guma	Boundary	2009 - 2010	27	5
Manuel Araujo	Guma	Boundary	2009 - 2010	46	8
Manuel Bingala	Guma	Boundary	2009 - 2010	31	5
Manuel Michone Natal	Guma	Boundary	2009 - 2010	43	8
Maria Bingala	Guma	Boundary	2009 - 2010	51	9
Maria Marco	Guma	Boundary	2009 - 2010	44	8
Marigarida Aguacheiro	Guma	Boundary	2009 - 2010	32	6
Mario Jone Fernando	Guma	Boundary	2009 - 2010	30	5
Marta Eduardo	Guma	Boundary	2009 - 2010	54	10
Marta Mabuleza	Guma	Boundary	2009 - 2010	53	9
Massamba Carlos Madola	Guma	Boundary	2009 - 2010	45	8
Meria Jose Mbachigue	Guma	Boundary	2009 - 2010	35	6
Mineses Domingos	Guma	Boundary	2009 - 2010	35	6
Minoria Nchimica	Guma	Boundary	2009 - 2010	51	9
Miquixone Antonio	Guma	Boundary	2009 - 2010	76	13
Mizeria Noriz	Guma	Boundary	2009 - 2010	52	9
Nito Antonio Bulaunde	Guma	Boundary	2009 - 2010	76	13
Nsai Canthiole	Guma	Boundary	2009 - 2010	37	7
Nsai Charles	Guma	Boundary	2009 - 2010	41	7
Nseca Domingos	Guma	Boundary	2009 - 2010	36	6
Rasca Charles	Guma	Boundary	2009 - 2010	57	10
Reportunha Andicene	Guma	Boundary	2009 - 2010	48	8
Ricardo Antonio Bulaunde	Guma	Boundary	2009 - 2010	75	13
Rosa Fernando	Guma	Boundary	2009 - 2010	41	7
Rui Jose Quembo	Guma	Boundary	2009 - 2010	66	12
Runia Domingos	Guma	Boundary	2009 - 2010	29	5
Runia Mineses	Guma	Boundary	2009 - 2010	54	10
Serao Antonio Tomo	Guma	Boundary	2009 - 2010	42	7
Tito Alberto Jequessene	Guma	Boundary	2009 - 2010	46	8
Vilate Tome Sabao	Guma	Boundary	2009 - 2010	28	5
Zeria Domingos	Guma	Boundary	2009 - 2010	34	6
Augusto Danca	Guma	Cashew	2009 - 2010	135	24
Bulaunde Nzonde	Guma	Cashew	2009 - 2010	44	8
Domingos Antonio Limpo	Guma	Cashew	2009 - 2010	143	25
Emilia Domingos	Guma	Cashew	2009 - 2010	178	31
Escola Primaria de 3 de Fevereiro	Guma	Cashew	2009 - 2010	753	133
Francisco Doliz	Guma	Cashew	2009 - 2010	274	48
Joana Armando	Guma	Cashew	2009 - 2010	73	13
Meria Simbi	Guma	Cashew	2009 - 2010	132	23
Rita Alberto Tuboi	Guma	Cashew	2009 - 2010	14	2
Selina	Guma	Cashew	2009 - 2010	170	30
Victoria Luis	Guma	Cashew	2009 - 2010	20	3
Aderia Joao Nsingano	Guma	Homestead	2009 - 2010	148	26
Aissa Domingos	Guma	Homestead	2009 - 2010	8	1
Alberto Mujubai	Guma	Homestead	2009 - 2010	3	-
Amelia Fernando	Guma	Homestead	2009 - 2010	33	6
Anica Vasco	Guma	Homestead	2009 - 2010	84	15
Antonia Serao Jasse	Guma	Homestead	2009 - 2010	8	1
Antonio Quembo Chabote	Guma	Homestead	2009 - 2010	22	4
Augusta Paulino	Guma	Homestead	2009 - 2010	12	2
Betinho Jone Final	Guma	Homestead	2009 - 2010	10	2
Carlos Tuboi	Guma	Homestead	2009 - 2010	29	5
Carlota Alberto	Guma	Homestead	2009 - 2010	90	16
Carlota Luis	Guma	Homestead	2009 - 2010	45	8
Celestina Joao Bingala	Guma	Homestead	2009 - 2010	153	27
Chanaze Mineses	Guma	Homestead	2009 - 2010	13	2
Chassassa Charles	Guma	Homestead	2009 - 2010	60	11
Chica Marco	Guma	Homestead	2009 - 2010	94	17
Custeha Domingos	Guma	Homestead	2009 - 2010	17	3

Name of producer	Ward	System	Season	tCO <sub>2</sub>	Buffer tCO <sub>2</sub>
Doliz Charles	Guma	Homestead	2009 - 2010	22	4
Farenca Joaquim	Guma	Homestead	2009 - 2010	102	18
Fernando Njubeque	Guma	Homestead	2009 - 2010	252	44
Fina Bulaunde	Guma	Homestead	2009 - 2010	30	5
Flora Mussa	Guma	Homestead	2009 - 2010	10	2
Gida Felipe	Guma	Homestead	2009 - 2010	83	15
Gina Massamba	Guma	Homestead	2009 - 2010	46	8
Ines Serao Jasse	Guma	Homestead	2009 - 2010	52	9
Joana Mineses	Guma	Homestead	2009 - 2010	39	7
Joao Antonio	Guma	Homestead	2009 - 2010	42	7
Joaquim Limpo	Guma	Homestead	2009 - 2010	21	4
Maria Jone Fernando	Guma	Homestead	2009 - 2010	13	2
Maria Mineses	Guma	Homestead	2009 - 2010	55	10
Mariano Chico	Guma	Homestead	2009 - 2010	24	4
Marta serao Jasse	Guma	Homestead	2009 - 2010	26	5
Melo Nicolao	Guma	Homestead	2009 - 2010	153	27
Mena Jose	Guma	Homestead	2009 - 2010	7	1
Nhacuana Antonio	Guma	Homestead	2009 - 2010	123	22
Roseta Paulino	Guma	Homestead	2009 - 2010	14	3
Ruseta Nchimica	Guma	Homestead	2009 - 2010	29	5
Terezinha Francisco	Guma	Homestead	2009 - 2010	10	2
Tunica Marco	Guma	Homestead	2009 - 2010	35	6
Tunica Mineses	Guma	Homestead	2009 - 2010	12	2
Vasco Dauce	Guma	Homestead	2009 - 2010	159	28
Victoria Mbeua	Guma	Homestead	2009 - 2010	28	5
Zita Vasco	Guma	Homestead	2009 - 2010	39	7
Anguista Bizeque	Guma	Intercropping	2009 - 2010	163	29
Antonio Bingala	Guma	Intercropping	2009 - 2010	156	28
Elsa Jose	Guma	Intercropping	2009 - 2010	143	25
Farenca Jaime	Guma	Intercropping	2009 - 2010	42	7
Fatima Antonio Beca	Guma	Intercropping	2009 - 2010	255	45
Fernando Antonio Fernando	Guma	Intercropping	2009 - 2010	338	60
Gidio Alberto	Guma	Intercropping	2009 - 2010	200	35
Joao Lourenco Bola	Guma	Intercropping	2009 - 2010	271	48
Joaquim Francisco	Guma	Intercropping	2009 - 2010	211	37
Joaquim Manuel	Guma	Intercropping	2009 - 2010	66	12
Marco Capece	Guma	Intercropping	2009 - 2010	177	31
Marta Francisco	Guma	Intercropping	2009 - 2010	92	16
Mineses Armando	Guma	Intercropping	2009 - 2010	46	8
Noa Simao	Guma	Intercropping	2009 - 2010	95	17
Pedro Ventura	Guma	Intercropping	2009 - 2010	138	24
Quina Alberto	Guma	Intercropping	2009 - 2010	103	18
Samo Bizeque	Guma	Intercropping	2009 - 2010	15	3
Tembo Mineses	Guma	Intercropping	2009 - 2010	74	13
Antonio Quembo	Guma	Woodlot	2009 - 2010	217	38
Brumo Joao	Guma	Woodlot	2009 - 2010	86	15
Lucinda Fernando	Guma	Woodlot	2009 - 2010	848	150
Anguista Antonio	Matondo	Boundary	2009 - 2010	65	11
Assiminha Fernando	Matondo	Boundary	2009 - 2010	66	12
Chinai Pedro	Matondo	Boundary	2009 - 2010	47	8
Farenca Luis	Matondo	Boundary	2009 - 2010	43	8
Feliz do Luis	Matondo	Boundary	2009 - 2010	65	11
Luis Ernesto	Matondo	Boundary	2009 - 2010	46	8
Luzeta Chatala	Matondo	Boundary	2009 - 2010	27	5
Mateus Ernesto	Matondo	Boundary	2009 - 2010	36	6
Ricardo Male	Matondo	Boundary	2009 - 2010	66	12
Vaz Luis Andissene	Matondo	Boundary	2009 - 2010	51	9
Escola Primaria de Matondo	Matondo	Boundary	2009 - 2010	338	60
Anista Domingos	Matondo	Homestead	2009 - 2010	109	19
Brinca Matiawara	Matondo	Homestead	2009 - 2010	41	7
Cecilia Antonio	Matondo	Homestead	2009 - 2010	47	8
Chiquita Mino	Matondo	Homestead	2009 - 2010	73	13
Doca Francisco	Matondo	Homestead	2009 - 2010	81	14
Escola Primaria de Santove	Matondo	Homestead	2009 - 2010	180	32
Escola Primaria de Thipi Thipi	Matondo	Homestead	2009 - 2010	250	44
Eusebio Sueti Nhatsiri	Matondo	Homestead	2009 - 2010	128	23

Name of producer	Ward	System	Season	tCO <sub>2</sub>	Buffer tCO <sub>2</sub>
Feliz Francisco	Matondo	Homestead	2009 - 2010	22	4
Fernando Vasco	Matondo	Homestead	2009 - 2010	64	11
Joao Guente	Matondo	Homestead	2009 - 2010	77	14
Jose Ernesto	Matondo	Homestead	2009 - 2010	63	11
Jose Luis	Matondo	Homestead	2009 - 2010	35	6
Lazaro Tome	Matondo	Homestead	2009 - 2010	90	16
Lourenco Jose	Matondo	Homestead	2009 - 2010	71	12
Luis Victorino	Matondo	Homestead	2009 - 2010	50	9
Luisa do Luis	Matondo	Homestead	2009 - 2010	97	17
Luisa Rafael	Matondo	Homestead	2009 - 2010	77	14
Manuel Antonio	Matondo	Homestead	2009 - 2010	97	17
Maria Jose	Matondo	Homestead	2009 - 2010	22	4
Maria Manuel	Matondo	Homestead	2009 - 2010	69	12
Mario Antonio Fainda	Matondo	Homestead	2009 - 2010	114	20
Noissi Chacamba	Matondo	Homestead	2009 - 2010	34	6
Paulo Samuel	Matondo	Homestead	2009 - 2010	84	15
Rosa Pedro	Matondo	Homestead	2009 - 2010	43	8
Samuel Feliz	Matondo	Homestead	2009 - 2010	55	10
Tina Domingos	Matondo	Homestead	2009 - 2010	71	12
Tomas Vasco Tomas	Matondo	Homestead	2009 - 2010	39	7
Tome Cheque	Matondo	Homestead	2009 - 2010	69	12
Weza Deniasse	Matondo	Homestead	2009 - 2010	135	24
Ernesto Jose Santove	Matondo	Intercropping	2009 - 2010	105	19
Jose Antonio Domingos	Matondo	Intercropping	2009 - 2010	150	27
Jose Antonio Jolindo	Matondo	Intercropping	2009 - 2010	23	4
Maria Domingos	Matondo	Intercropping	2009 - 2010	64	11
Maria Tome	Matondo	Intercropping	2009 - 2010	50	9
Paulino Mino	Matondo	Intercropping	2009 - 2010	161	28
Asminha Fernando	Matondo	NF	2009 - 2010	43	8
Alberto Araujo	Matondo	Woodlot	2009 - 2010	142	25
Ernesto Justino Tchume	Matondo	Woodlot	2009 - 2010	179	32
Francisco Luis	Matondo	Woodlot	2009 - 2010	274	48
Orlando Domingos	Matondo	Woodlot	2009 - 2010	98	17
Lucia Manuel	Mponda	Boundary	2009 - 2010	49	9
Pedro Zacaria	Mponda	Boundary	2009 - 2010	39	7
Timoteo Mafala Raice	Mponda	Homestead	2009 - 2010	28	5
Zacaria Antonio Charles	Mponda	Intercropping	2009 - 2010	184	32
Antonio Pessa	Mponda	Woodlot	2009 - 2010	55	10

**Table 3 New producers Zambezi Delta subproject 2010.**

## REDD activities and participation

Area number	Area or producer name	Area size (ha)
1	Nhambita Boemaria	852
2	Nhambita Mucinhaua	718
3	Muncinuaua Munhanganga Nhambita	713
5	Vunduze	928
6	Mbulawa Mudoda	5,249
9	Cristiano	22
10	Serra	555
11	Envirotrade camp	126
12	Telix	5
13	Gorongosa adventuras (was Sakki)	25
14	Paulo Sozinho	4
15	Chico Joao	9
16	Mario Chimuaza	7
17	Luis Felix	5
18	Raimundo	9
19	Costa Pereira	43
20	Ernesto Seda	17
21	Neto Chimuaza	14
27	Antonio Jairosse Raete	1
28	Augusta Lucas Joao	90
29	Eduardo Manuel Camujoma	2
30	Gaspar M. Camujoma, Zito M. Camujoma e Manuel Camujoma (Camujoma brothers)	29
31	Gaspar Manuel Camujoma	9
32	Jeremias Manuel Camujoma	7
33	Joao Miquissene Gil 1	2
34	Joao Miquissene Gil 2	3
35	Jovaldo Joaquim Sozinho	6
36	Manuel Camujoma	4
37	Manuel Dias Samacueza	1
38	Marcos Fazenda e Pedro Sevane	6
39	Pereira Jairosse Raete 1	3
40	Pereira Jairosse Raete 2	3
41	Ramos Manuel Camujoma	3
42	Soares Oliveira Gonza	5
43	Vicente Inacio Luis	4
44	Zito Floe Phuta	3
45	Zito Miquitaio Camujoma	2
46	Magaio Zebedia	11

Table 4 REDD+ zone summary grey producer names are new since 2009.

### 3. Sales of Plan Vivo Certificates

Date	Client	Sum of tCO2e	new to 2010 annual report	USD Price per tCO2*	Total USD	Certificate Issuance Fee (\$0.30 per Certificate)	Registry fee (\$0.05 per Certificate)
27/01/2004	Future Forests (Carbon Neutral Co)	9,175.00					
02/12/2005	Creative Artist Agency	25,000.00					
2006	Creative Artist Agency	30,000					
2006	IIED	1,116					
2007	Individuals	112					
01/03/2007	Man Group	7,000					
20/06/2007	ZeroMission	13,542					
25/06/2007	Live Earth	3,000					
19/01/2008	Environmental Media Association	4,500					
21/01/2008	Man Group	8,492					
01/03/2008	Global Cool	1,000					
17/04/2008	Anna Davidson	5	x				
30/06/2008	ZeroMission	3,940					
23/07/2008	Creative Artist Agency	8,808					
01/09/2008	Man Group	1,033					
02/10/2008	Andrew Brown	8	x				
15/11/2008	ZeroMission	11,266					
20/11/2008	E.Value	500					
25/11/2008	University of Cape Town	11					
01/12/2008	Impact Choice Ltd	500					
22/01/2009	Beyond the Line (ZeroMission)	21					
22/01/2009	Event Less Talk (ZeroMission)	11.00					
22/01/2009	Max Hamburger (ZeroMission)	20,590.00					
22/01/2009	MPI (ZeroMission)	2					
22/01/2009	PMC Hydraulic (ZeroMission)	33					
22/01/2009	the Fair Tailor (ZeroMission)	12					
22/01/2009	U&W [you&we] (ZeroMission)	57					
22/01/2009	ZeroMission	312					
22/01/2009	Map / Antalis (ZeroMission)	52					
20/04/2009	Arla Foods (ZeroMission)	5,877					
13/07/2009	Arla Foods (ZeroMission)	3,580					
14/07/2009	Man Group	6,000					
01/09/2009	Creative Artist Agency	6,658					

10/11/2009	Arla Foods (ZeroMission)	3,156					
10/11/2009	ZeroMission	496					
10/11/2009	Map / Antalis (ZeroMission)	348					
17/11/2009	Emily Woollen	25	x				
30/11/2009	Map / Antalis (ZeroMission)	100					
20/12/2009	Kevin Seely	2	x				
24/12/2009	Nicole Jecks	20	x				
27/12/2009	Max Hamburger (ZeroMission)	24,708	x				
27/12/2009	Carl Bennet AB (ZeroMission)	711	x				
23/04/2010	Alviks Måleri Stockholm (ZeroMission)	90	x				
23/04/2010	Alviks Måleri Uppsala (ZeroMission)	30	x				
23/04/2010	Arla Foods (ZeroMission)	6,564	x				
23/04/2010	TNSI (ZeroMission)	2	x				
23/04/2010	ZeroMission	904	x				
23/04/2010	Map / Antalis (ZeroMission)	700	x				
23/04/2010	Climate Action / CA2 (ZeroMission)	16	x				
24/08/2010	Arla Foods (ZeroMission)	3,128	x				
24/08/2010	Henrik Lampa (ZeroMission)	2	x				
24/08/2010	Länsförsäkringar Skåne (ZeroMission)	285	x				
24/08/2010	ZeroMission	713	x				
13/09/2010	Impact Choice Ltd	1,000	x				
21/09/2010	Wedderwill Farming Partnership	329	x				
11/10/2010	Arla Foods (ZeroMission)	3,153	x				
16/11/2010	Map / Antalis (ZeroMission)	2,600	x				
not retired	Envirotrade	40,000	x				
<b>Grand Total</b>		<b>261,294.35</b>					

Summary of sales to date and request for issuance of Plan Vivo certificates from the Plan Vivo Foundation in 2010. Those sale events in red are those which are attributed to the September 09 to October 10 cash income in section 10 "Net Carbon Offset Sales".

\*Pricing information has been removed to ensure client confidentiality.

#### 4. Submission for Plan Vivo Certificate Issuance

Please see attachment to the report: [4. Submission for Plan Vivo Certificate Issuance](#)

#### 5. Allocation of Sales to Producers



- Envirotrade allocates contracts based on monitoring indicators: mortality, tree care and establishment. Preference is given to allocate older contracts, which have a higher establishment rates and contracts which have a high survival rate.
- Producers are paid irrespective of whether or not they are allocated, so there is not a conflict over allocation at the producer level. This will remain the case despite new contracts not being signed in 2011.

## 6. Summary of Monitoring Results

### Gorongosa sub-project

Cancelled	Suspend	Full Paid	Partial Paid	Total
15	2,419	1,425	1,316	5,175

**Table 5 Gorongosa sub-project agroforestry monitoring summary.** These are the number of contracts which were cancelled, suspended, fully paid or partially paid in the sub-project in 2010

### Zambezi Delta sub-project

Cancelled	Suspend	Full Paid	Partial Paid	Total
10	198	1228	446	1882

**Table 6 Zambezi Delta Sub-Project agroforestry monitoring summary.** These are the number of contracts which were cancelled, suspended, fully paid or partially paid in the sub-project in 2010.

A contract might be partially paid if there were mortality of trees delivered above 15% to cover the cost of replacing the dead trees from the nursery. A contract may be suspended if tree mortality exceeds 85% of delivered trees. It can also be suspended for up to 3 years if the contractual obligations are not met. Contracts are cancelled on a case by case basis dependant on the circumstances of the farmer. Causes of cancellation may be that a farmer has consistently had above 85% of mortality, or a farmer may have made a cutting in a area of protected forest.

### Monitoring manual

As part of our CCB audit obligations, we are writing a monitoring manual . This will summarise all our operational procedures, and greatly assist standardisation across sites. It will also make it easier for inspectors to assess progress against our goals.

It is particularly relevant where the technical specifications do not capture monitoring indicators which are appropriate on the ground. These will be clearly defined in the manual. A draft copy has been submitted to Rainforest Alliance/Smartwood during the audit, and a more advanced one will be submitted to the Plan Vivo with the annual report.

This exercise has so far proved very productive in the standardisation of project monitoring procedures.

### **Changes to the methodology**

Since 2010 marks the first contracts becoming 5 years of age, DBH is now being monitored. A survey has been carried out in agro-forestry systems since March on the 2004/2005 contracts and the data is in the process of being entered.

Given that this has taken a long time, the data will be used as a basis for designing a simple score card which will assess the vigour of the trees in relation to farmer care as well as sequestration potential. This will take into account the environmental factors impacting on the farmers field, as this will also impact on tree growth. DBH will still be a monitoring criteria on which to base payments.

DBH class (cm)	Good environmental conditions i.e. riverbank	Medium environmental conditions	Poor environmental conditions i.e. very rocky soil, on a eroded
5-10	1	2	3
10-15	2	3	4
15-20	3	4	5
20-25	4	5	6
25-30	5	6	7
30-35	6	7	8
35-40	7	8	9
40-45	8	9	10
45+	9	10	11



**Table 7 Example of a scorecard to assess condition of trees in agro-forestry systems through measuring diameter at breast height (DBH). Scorecard will have to be calibrated against existing data. Scores will be used as a monitoring criterion to base payments on.**

## **Barriers to monitoring**

Envirotrade experiences ongoing problems with its GPS units. The problem is partly to do with training, but mostly to do with the technology. The training problem is when the technician uses his or her watch, rather than the time on the GPS to record the start and finish times during mapping. This is now mostly rectified. The technology problem is when a computer is broken, and a new one is used to replace it or the computer has to be wiped and windows reinstalled. In these cases, the driver for the serial cable which allows the GPS to connect to the computer is lost. Remoteness of operations means that a new driver might not be installed for a number of months. Any GPS related work, which would include making maps for the contracts, can not be reviewed until the new driver is installed. When the GPS data are finally downloaded, other mistakes are then identified.

To rectify this problem, when funds are available, the old GPS etrex's devices will be phased out and replaced by track sticks or GPS devices's which don't take serial cables. Second, MapSource needs to be reinstalled or installed on old computers which were wiped and new computers which have been purchased. This will allow the database administrator to more rapidly assess the success of a mapping procedure more rapidly, as the track is visualised on the screen. The new monitoring manual, contains instructions on how to use MapSource to create maps, and to calculate area and perimeter without having to use trigonometry which is time consuming.

## **REDD monitoring**

At a minimum, patrolling and fire breaks must have been monitored for a contract to have been allocated to a sale. At the time of submission of the annual report, the REDD monitoring is not yet complete for all contracts. However the firebreaks and patrolling inspections have started and completed for those contracts which have been allocated. The first results are contained in [2010 Report on monitoring of protected areas](#), a special report on allocated areas is within [2010 Monitoring results of allocated REDD](#)

Fixed monitoring transects will be set up in December 2010 to make the patrolling process more rapid, and more easy to monitor.

Half hectare stem inventories have started in the REDD zones, starting with area 6. This will form part of the corrective action in response to the EU audit. So far 15 plots have been completed and the team will move on to the area 5 next.



Challenges to monitoring include typing up of data, which is time intensive, requires a skilled computer user and a working laptop.

Google earth imagery was inspected in the first half of 2010 once it became available online in January. This was used to identify possible machambas in the conservation areas. The possible machambas were followed up by inspections on the ground by the technicians. In several cases, the REDD area was mapped twice after errors occurred in the first mapping, the monitoring highlighted where machambas had not been excluded in the first mapping but were in the second. Other areas were either abandoned machambas, or areas of swampy ground or ground with a lot of grass that appeared bare. In the table below, each row represents a waypoint that the technicians were asked to inspect if a possible machamba had been identified:

Area number	UTM X	UTM Y	Comment	Follow up with the community
34	616296	7908747	In this area there are no problems only that there are a lot of bamboos outside of machamba.	
39	616059	7907672	Area out of machamba but in the name of Antonio Jairosse and not Ramos Manule Camujoma, mistake of names has been made.	yes
41	615043	7906734	Machamba out of area but there are a lot of bamboos inside the conservation area.	
10	617188	7905444	Inside the boundary there are new houses and an old machamba, new trees cut down outside the area.	Yes
6	618470	7908365	Soil taken out for the construction of the road seven years ago.	
5	611108	7907996	Machamba outside of conservation area of 2006/2007. Had big trees, owner Eusebio Maqui. Area of machamba 3.50 hectares.	
5	610852	7908146	Machamba out of conservation area of 2006 / 2007, has pigeon peas, owner Avelino, area 3.00 hectares.	
3	621949	7899659	Machamba mapped out during corrective mapping.	
3	622535	7901540	Machamba mapped out during corrective mapping.	
3	622663	7901217	Machamba mapped out during corrective mapping.	
3	621387	7901256	Machamba mapped out during corrective mapping.	
3	621424	7901489	Machamba mapped out during corrective mapping.	
3	622030	7901888	Machamba mapped out during corrective mapping.	

Area number	UTM X	UTM Y	Comment	Follow up with the community
2	622023	7902427	No machamba	
2	620470	7905021	No machamba	
2	620598	7905372	No machamba	
1	624555	7898690	No machamba	
1	624355	7898670	No machamba	
1	624466	7898656	No machamba	
1	623115	7897254	No machamba	
1	623815	7897471	No machamba	
1	623672	7897382	No machamba	
1	622963	7897228	No machamba - couldn't access for spiritual reasons, need to arrange with Regulo.	
1	623127	7897114	No machamba	

## 7. Payments to Producers

Total payment in the Gorongosa subproject in 2010 was: 5,650,605 Mtn (\$174,401). The paysheet is found here: [2010 Gorongosa subproject paysheet](#). The summary of payments discounted and paid is below:

Gorongosa	Totals		Balances carried forward from previous year	Totals		
	Contract number	Area (ha)		Gross Amount	Total discounted against dead trees.	Net Pay
Total	2,683	2,673	-71,573	5,983,734	-261,556	5,650,605

Total payment in the Zambezi Delta subproject in 2010 was: 1,466,075 Mtn (\$45,250). The payment withheld summary is below:

Community and contract name	Area (Ha)	Total Carbon (tons)	Contract number	Total that can be sold over 7 years	Gross to pay 2010	Balance of money from previous year	Payment deduction against replacement trees	Net money to pay
2007 - 2008	<b>391</b>	<b>16,597</b>	<b>395</b>	<b>1,858,619</b>	<b>230,268</b>	<b>51,994</b>	<b>18,140</b>	<b>264,122</b>
Chirimadzi	80	2,847	79	318,492	39,351	1,172		40,523
Cine	39	2,234	35	249,011	30,821	8,074		38,895
Guma	121	4,512	127	503,513	62,732	26,082	5,240	83,574
Mponda	150	7,004	154	787,603	97,364	16,666	12,900	101,130
2008 - 2009	<b>712</b>	<b>40,145</b>	<b>1,075</b>	<b>4,471,509</b>	<b>1,242,421</b>		<b>40,468</b>	<b>1,201,953</b>
Chirimadzi	140	9,964	147	1,110,909	333,257			333,257
Cine	11	970	43	108,235	30,504		4,924	25,580
Gorra	91	4,660	224	520,716	138,966		7,836	131,130
Guma	172	10,818	268	1,206,856	336,290		10,920	325,370
Matondo	44	2,641	148	294,952	79,458		7,708	71,750
Mponda	254	11,092	245	1,229,841	323,946		9,080	314,866
Grand Total	<b>1,103</b>	<b>56,742</b>	<b>1,470</b>	<b>6,330,128</b>	<b>1,472,689</b>	<b>51,994</b>	<b>58,608</b>	<b>1,466,075</b>

## 8. Community Participation in Project Governance

Throughout the year, there were ongoing meetings to discuss the following topics:

- Monitoring plans and procedures
- Change of Envirotrade management staff
- Protected areas
- Road building
- REDD zone boundaries
- Climate change awareness
- The CCB validation inspection
- Payments - issues and queries for 2010

Summaries of the meetings in translations are available for the Gorongosa Subproject: [2010 Gorongosa subproject community meeting minutes](#) and Zambezi Delta: [2010 ZD subproject community meeting minutes](#).



## 9. Social & Environmental Benefits

### Social Benefits

A short survey was carried out to discover what people in the Gorongosa Sub-project had used their 2010 payments for.

The community bought 740 tin roofs which are much better able to resist the rains during the wet season and give families some stability in their houses. Seven people bought motorbikes, which will revolutionise their ability to access markets. Four people bought cement, 13 bought telephones, 2 bought generators, 17 bought bicycles, 1 bought a radio and 11 bought car batteries. One person even bought a TV.



Tin roofs purchased on pay day.



TV!



Gary and his wife June at his leaving party.

Members of staff purchased a pig for the occasion.

The carbon schools are now all completed. The clinic remains in the project camp in Nhambita. The saw mill and carpentry shop, now businesses independent of Envirotrade and self-run, are getting more business from outside of the project area. The district administrator and the Gorongosa National Park are some of their biggest clients. A volunteer carpenter is coming in early 2011 for one month to work with the carpentry shop. We hope this will move the quality of the carpentry products forward.

The project is sad to lose Gary Goss, the sustainable livelihoods consultant who has been teaching and training the sawmill and bee keepers for 6 years on technical operations, business sense and health and safety. He has contributed a huge amount to the project and to the community. Gary is moving back to Zimbabwe to be a forest policeman.



### **Biodiversity benefits**

The new REDD inventory gives us the opportunity to start measuring tracks, scats and signs of mammals and reptiles. The plan is to build on the GNP's existing database so that they can assess the effect of the project on the park. This is going to be more fully developed at the end of 2010 in collaboration with the GNP.

Meg Coates Palgrave, author of *Trees of South Africa*, joined us for the first week and a half of the REDD inventory to freshen the technician's tree identification skills and improve the vernacular dictionary of the area. The vernacular dictionary will greatly improve our ability to ID species for future surveys.

## 10. Breakdown of Operational Costs

Income & Expenses Statement for Period Oct 2009 - Sept 2010  
(12 months)

	<b>Total</b>
	<b>Oct 09 - Sep 10</b>
<b>PROJECT INCOME</b>	
Net Carbon Offset Sales	\$399 149
Grant Income & Donor Funds	\$87 714
<b>Total Project Income</b>	<b>\$486 863</b>
<b>PROJECT DIRECT EXPENSES</b>	
Sofala Project Labour	\$13 332
Sofala Project Materials	\$45 226
Sofala Project Services	\$917
<b>Total: Project Direct Expenses</b>	<b>\$59 475</b>
<b>COMMUNITY PAYMENTS</b>	<b>\$244 621*</b>
<b>PROJECT ADMINISTRATION EXPENSES</b>	
Office/Admin Expenses	\$44 354
Vehicle Expenses	\$63 244
General Maintenance Expenses	\$8 841
Premises & Security Expenses	\$24 267
Domestic Travel & Visitor Hosting	\$20 561
Professional Services & Fees	\$21 037
Financial Expenses & Taxation	\$21 981
Project CCBA Validation & PV Verification	\$23 400
Plan Vivo Certification Fee	\$16 557
<b>Total Project Admin Expenses</b>	<b>\$244 242</b>
<b>SOFALA PROJECT SALARIES</b>	
Mozambique Senior Management	\$141 550
Sofala Project Management	\$106 301
Sofala Project Staff	\$100 227
Training Expenses	\$1 648
<b>Total Project Salaries</b>	<b>\$349 725</b>
<b>Project Capital Expenditure</b>	<b>\$41 767</b>
<b>Total Project Expenses and Capex</b>	<b>\$939 830</b>
<b>Project Deficit Financed by Envirotrade</b>	<b>-\$452 967</b>



\*This is the total sum paid to farmers/ communities in the period October 09 – September 2010. Please note that this figure is not based on the amount of VERs sold, but are the 'contractual payments' arising from the *plan vivos* that Envirotrade signs with farmers/ communities.

### Notes to the Income & Expenses Statement

1. These figures are unaudited and represent the period (Oct 2009 – Sept 2010) covered by this Plan Vivo Annual Report. This period is not consistent with Envirotrade's financial year which runs Jan – Dec.
2. The statement includes expenses related only to the operations of the Sofala Project (Gorongosa and Zambezi Delta subprojects), and excludes expenses related to the company's Quirimbas project in development in Cabo Delgado Province, Mozambique.
3. The statement also excludes many Envirotrade expenses which are external to Mozambique (such as personnel), which are however involved in the management of the Sofala Project.

## 11. Improvements and Future Development

- Collaborations with INCAJU, the government cashew extension service, supply material and training to produce cashew seedlings.
- ISPM and University of Eduardo Mondlane send students to do their final work in the Zambezi Delta subproject.
- Government collaboration in implementing the presidential initiative. District of Marromeu
- Two new motorbikes in Zambezi Sub-Project
- Two new technicians recruited for agro-forestry supervision and NTFPs in Zambezi Sub-project
- Standardisation of monitoring (see section 6) through the introduction of the new database.



- Pär Larshans of Max Hamburger meets the children of the Pungue community, we hope in future more clients will visit in partnership with Zeromission.

