TAKING ROOT ENRACINE

Social reforestation & Carbon offsets

Plan Vivo Annual Report

Limay Community Carbon Project

2011-2012

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1. Project summary

The following Annual Report to the Plan Vivo Foundation reports upon the progress of Taking Root's Limay Community Carbon Project for the 2011-2012 planting year.

Summary

Table 1: Project summary

Reporting period		1 October 2011 - 30 September 2012	
Technical specifications in use		Mixed Species Plantation, Boundary Planting, and Silvopastoral Planting	
Area under management	378.78 ha equivalent*	**Areas put under management since last report**	237.01 ha equivalent*
Area lost from previous years	13.56 ha equivalent*	**New areas put under management allocated to past years**	13.56 ha equivalent*
Total smallholders with *plan vivos* and PES agreements (all vintages)	131	**New smallholders with PES agreements (2011 vintage)**	55
		2010 and 2011 farmers who added new land (2012 vintage)	8
Total payments made to community fund (all vintages)			
Plan Vivo Certificates issued to date (2011 vintage)		46,027	
Submission for Certificate Issuance for new areas under management (2012 vintage)	66,207	**Saleable tCO_2 allocated to previous years (certificates already issued)**	4,019

**Boundary Planting is measured in kilometers, but the equivalent hectares have been calculated based on the tCO_2e sequestered in Mixed Species Plantation. See Appendix 1 for more details.*

2. Key events, developments and challenges

Key events

Taking Root celebrates 5 years

Above: Taking Root's 5th Anniversary event – 27 September 2012

2012 marks Taking Root's fifth anniversary. To celebrate this great milestone, and to strengthen relationships with dedicated partners, clients and supporters, the organization hosted an exclusive event near its Montreal headquarters. The turnout was fantastic and presentations made by current partners brought to light the many benefits of working with Taking Root.

Visits from partnering organizations

Above: Representatives from ZeroMission participating in and learning about the project.

In January 2012, the Limay Community Carbon Project received visits from a number of international guests. This included representatives from myclimate (Switzerland), and representatives from ZeroMission (Sweden), who were also accompanied by representatives from their client, Arvid Nordquist, one of the largest coffee importers in Sweden. As supporters of the project, they were all very pleased with its progress.

ECODES workshop on the voluntary carbon market

In July 2012, co-executive director, Kahlil Baker was invited to attend the “Taller de Experiencias prácticas del Mercado Voluntario de Carbono “ (Workshop on practical experiences in the voluntary carbon market) in Managua, organized by the Spanish environmental organization, ECODES (http://ecodes.org). Kahlil gave a presentation entitled "Practical experiences: Forestry project in the municipality of Limay – Plan Vivo Nicaragua."

Flooding in region

During the last two weeks of October 2011, heavy rains associated with Tropical Depression 12E caused severe flooding and mudslides from Guatemala to Nicaragua. Estelí, the department where San Juan de Limay is located, was one of the worst affected departments in Nicaragua.

A total of 9.12 hectares of plantation and associated carbon benefit funded by partners from the 2010 planting season were lost. Although the areas could be replanted, they are now considered high risk. To make up for the damage, Taking Root took full responsibility and replanting the lost trees in new low risk locations and according to the new higher density Mixed Species Forest Plantations Technical Specification. As such, more trees were replanted than were originally lost.

Above: Community members came together to minimize the impact of the flood in Limay.

Table 2: Areas lost

Original Area (ha)	Farmer Name[1]	Year Planted	Area Remaining (ha)	Area Lost (ha)	tCO_2 Lost	Percentage Lost
1.58		2010	0	1.58	468	100.0%
1.50		2011	0	1.50	444	100.0%
1.40		2010	0.78	0.62	184	44.3%
1.14		2010	0.68	0.45	136	40.4%
4.53		2010	0.99	3.54	1049	78.1%
2.86		2010	0.92	1.94	847	100.0%
3.14		2010	2.15	0.99	293	31.5%
			Total tCO2 lost		**3421**	

[1] Due to data protection regulations, the names of participants have been removed from the public version of this document

From evaluating this experience, Taking Root has made the following plan to recover lost land and the following improvements to its planting policy:

1) Recovering lost land: Every year, Taking Root generates 15% more offsets than are sold, which is used as a risk buffer designed specifically to address disasters like flooding. However, because this incident happened after only slightly more than two years since the trees were planted, Taking Root determined that it was more important to address this immediately and avoid using the risk buffer at this early stage. As such, 100% of the areas lost in 2010 were replanted in the 2012 planting season with new farmers. The cost of doing so was fully covered by Taking Root

The participating farmers who lost their entire parcel due to the flooding were forgiven of all of their loans and the ecosystem service payments already given to them. They were given the opportunity to replant their trees on new land in lower risk areas to continue receiving full payment.

The farmers who lost a portion of their land were forgiven the equivalent portion of the payments and loans. Future payments for the lost land has been cancelled, and the producers affected will remain in the Limay Community Carbon Project managing the area of land that was not affected.

2) Improving planting policy: The previous policy encouraged reforesting near rivers in order to protect them. However, as was experienced, rivers can overflow and kill young trees. In order to prevent this from happening again, a flooding hazard map was created through a GIS using the existing hydrologic network, provided by the municipality de San Juan de Limay, and a topographic map from the Space Radar Topographic Mission. Distances of 100 metres from either side of rivers and 50 metres from either side of streams are considered high flooding hazard areas that should not be planted.

Furthermore, moderate flooding hazard zones were identified as area from 100 m to 350 m of rivers where the slope was less than five degrees based on previous flooding occurring in the region. Such areas require additional evaluation by project technicians to be approved as eligible on a case-by-case basis.

As devastating as the event was to the region as a whole and to the farmers who lost their plantations, valuable lessons have been learned from this experience. Taking Root was fortunate that this event took place early on in the project's lifespan so that corrective actions could be taken. Furthermore, this experience highlights the importance of the work that the project is doing in the region as the damage caused by heavy rainfall is exacerbated by the lack of trees in the region's most critical watersheds. As a whole, that the safety and longevity of project has been improved through this experience.

Key developments

Operations developments

New project boundary

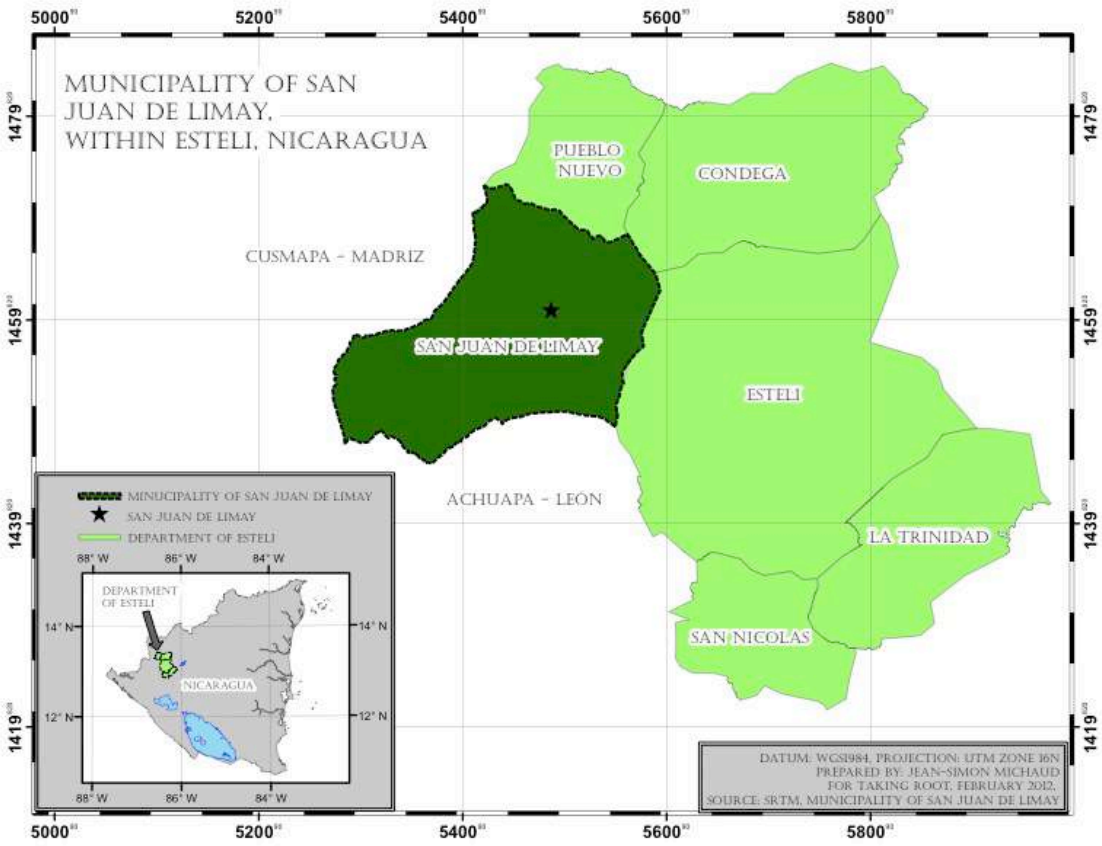
Early in 2012, the project boundary for the Limay Community Carbon Project was expanded

significantly to include all areas below 900 metres of elevation within the entire municipality of San Juan de Limay, covering an area of 485.8 square kilometers.

A remote sensing specialist from the University of British Colombia, Jean-Simon Michaud, joined the team to analyze satellite imagery of the municipality. This process involved hiring four temporary technicians to conduct a thorough biomass survey of the land using Android tablets. With this information, the staff was able to estimate the amount of carbon stored in the landscape in order to calculate the carbon baseline for this new area.

With this new project boundary, producers from many more communities are eligible to participate, including producers from 10 new communities this year alone. Word of the project has spread very quickly and very far, with new producers living as far as 12 km from the original project boundary. Taking Root estimates that, with this expanded project boundary, the project can continue to grow for three more planting seasons before requiring an even greater project boundary.

Figure 1: New project Boundary (indicated in dark green)



Addition of Silvopastoral Technical Specification

This year, the Limay Community Carbon Project introduced a new technical specification to the project. This methodology involves the planting and intensive management of multi-purposed, mixed tree species within cattle pastures, called a silvopastoral planting system.

See Section 3 on current land use activities for more details.

Increased nursery capacity and plantation density

To meet the high level of participation and to guarantee more than enough seedlings and trees, Taking Root has significantly increased the size of the producer nurseries. In addition, to account for seedling mortality, an increased nursery buffer policy was implemented so that three seedlings are planted for every two trees required.

Additional fuel-efficient cookstoves

Above: New fuel-efficient cookstoves in construction (left) and a new stove in use (right).

Since the late fall 2011, 22 new fuel-efficient stoves were built in the homes of participating farmers. Farmers who had stoves that were in disrepair or who had very inefficient stoves were given first priority. Overall, 25 stoves have been built.

Expanded human resources

To meet the high demand and fast growth of the project, Taking Root has hired two new employees. Juan José Mendez Calix joins as Community Technician, and Danelia del Carmen Sandoval Mendoza joins as Assistant Monitoring Technician.

New office headquarters, improved presence in Limay

Above: New Limay headquarters (left) and team wearing new Taking Root T-shirts (right).

Taking Root has moved its offices to a new house in the Limay city center, where it has put in additional effort to improve its presence within the community. It has, among other things, painted its logo on the front of the building and given T-shirts to the Nicaraguan staff with the organization's logo so as to better identify them in the community. Consequently, there is an increased knowledge and appreciation for the project within the community and many producers have started coming directly to the office to manage their accounts.

Technological advances

Tablets for monitoring

Above: Technicians received extensive training with the tablets (left) so they are now working well with them in the field (right).

New to the Limay Community Carbon Project is the use of GPS-enabled tablets for monitoring, baseline measurement and recruitment. The community technicians have been equipped with these fantastic tools to speed up the monitoring process, eliminate paper waste, and facilitate instant wireless transfer of information to a central server. Earlier this spring, technicians took part in a workshop to learn how to use the tablets. This increased capacity and new technology will make for a much more precise and efficient processing of the monitoring data.

Project Information Management System (PIMS)

Taking Root has developed a Project Information Management Software (PIMS), a highly customized, indispensible tool for managing its Plan Vivo carbon project. Using FileMaker Pro, the PIMS addresses the basic needs of organizing, finding, tracking, sharing, monitoring and reusing the technical information from the project and communicating it with the people and processes that depend on that information. These people include: the Plan Vivo Foundation, the project management team, the technicians and the producers themselves.

In addition to storing all of the project's data, the PIMS provides the following functionality:

1. **Producer profile management**
2. **Monitoring results**
3. **Producer payments and loans**
4. **Invoice generation**
5. **Report generation**
6. **Document tracking**
7. **Sales allocation**
8. **Easy to use user interface**
9. **Customizable templates for:**
   - Producer sale agreements
   - Producer loan agreements
   - Producer payment receipts

– Producer invoices

This system is the backbone of Taking Root's information management needs.

File sharing

This year Taking Root fully integrated the file sharing system, Sugarsync©, used originally only in Canada, with the office in Nicaragua. This has vastly improved the ability of the two teams to share and update files, without the need for email. This improves the version control system for the data being shared and avoids lost files.

Organizational developments (Canada)

Retail partnerships

Within the past year, Taking Root has solidified retail partnerships with the organizations COTAP (USA), Tree Nation (Spain) and myclimate (Switzerland). These new partnerships have helped Taking Root stabilize its retail partner base and diversify its sources of revenue.

CO_2 Responsible phase 1 launched

In January 2012, Taking Root launched the Phase 1 of its CO_2 Responsible promotional toolkit, which was developed to help companies that purchase offsets to better communicate about their commitment towards their carbon responsibility. This tool was developed and built by the Taking Root Montreal team, with the help of partners and stakeholders. The launch has been a great tool to test the market's response to this opportunity and test-drive the CO_2 Responsible microsite, a directory of participating products and services. This experience will be applied to the Phase 2 of the kit (see page 12, Launch of CO_2 Responsible Phase 2).

Key challenges

Availability of seedlings

This past planting season was significantly larger in scale than previous years, and as a result it was more difficult to gather the required number of seeds from local producers, as the volume required was beyond the collection capacity of local seed collectors. It has forced the technician team to seek seeds from outside of the project boundary.

Above: Mandagual seeds (left) and Mahogany seed pods (right) that were collected for the 2012 nurseries.

Solution: To meet requirements, seeds were purchased from producers outside the project boundary. This inevitably created a new market for these communities, who are now receiving direct benefits from the project by gathering and selling seeds. Although the purchase of these seed incurs material and logistical costs, none are prohibitive to the project and are covered under production costs.

Lessons learned: Taking Root will continue to work with different communities to collect seeds, both within and outside of the project boundary – strengthening relationships and creating opportunities for them while building its own seed bank, and ensuring access to adequate supply in the long-run.

Barriers when using tablets

Various challenges were faced with introducing new Android tablets into the monitoring process. Technicians had to undergo a sudden learning curve when first using the tablets, and the tablets are also not functional in extreme weather or bright sunlight. Nonetheless, the gains in efficiency were well worth the investment and the community technicians are excited about using these new tools.

For challenges with producer recruitment, see Section 4.

Future developments

Human resources

In the coming year, Taking Root aims to hire a professional forest development manager to further improve and streamline the operational processes. This position will also facilitate and coordinate forest technology transfers from the Montreal office to the Limay office. This will significantly increase capacity building within the team on the ground.

Social benefits survey

Taking Root will begin recording demographic information on the participating producers and those hired to help with the project. This will provide a clearer socio-economic portrait of the farmers and help inform future academic studies and business decisions. A Master's student

from Colombia University (United States) will lead the survey in January 2013.

Responsibility and knowledge transfer

With the advantages of the PIMS, Taking Root will begin making a responsibility and knowledge transfer to the community technician and monitoring team. This will mainly involve shifting key PIMS processes to Limay, empowering the Nicaragua team to work more independently and giving the Montreal team time to invest in further improving the PIMS system as opposed to maintaining the data.

Licensing of PIMS

In addition, Taking Root is exploring opportunities to license the PIMS to other project developers as a valuable tool to improve their workflow. This provides an additional source of revenue for the organization and enables other project developers to better manage and analyze their project data.

Biochar stoves

This coming year, Taking Root will explore the benefits of biochar stoves in partnership with PlanetStove, a company that develops biochar stoves for developing countries. The use of these stoves would reduce the amount of carbon dioxide emitted into the atmosphere, would mitigate indoor air pollution, and would provide valuable fertilizer for nurseries.

Partnership development

New potential partnerships are in development with additional retailers that will be confirmed in the coming year.

Launch of CO_2 Responsible Phase 2

Funding has been acquired through the local Caisse d'économie solidaire Desjardins (http://www.caissesolidaire.coop) and the CDEC Rosemont-Petite-Patrie (http://www.cdec-rpp.ca/) to develop the second phase of the CO_2 Responsible toolkit, based on feedback and input from stakeholders. The new version of the toolkit will have much more user interactivity and social media presence, with the aim of further expanding the platform and engaging the general public.

The toolkit comprises both print and online promotional and marketing tools, mainly product stickers, signage, use of the CO_2 Responsible emblem in related material, as well as a personalized participant profile on www.co2r.com. The updated website illustrates the evolution of the participating businesses' annual carbon footprint over time, as well as compares this to the number of trees planted to offset these emissions.

The Phase 2 of CO_2 Responsible has been in development since July 2012 and will likely be launched early in 2013, in partnership with other Montreal-based social economy and development organizations.

3. Activities, total project size and participation

Current land-use activities

Approved technical specifications

Taking Root continues to implement the Mixed Species Plantation and Boundary Planting technical specifications, both of which have received small updates (see below). Furthermore, a new Silvopastoral Planting technical specification has recently been approved.

Mixed Species Plantation

Land-use activities for 2011 vintage focused mainly on the Mixed Species Plantation. This technical specification involves planting and intensively managing multi-purposed mixed species forest plantations on participating farmers' land. All of the species selected are native to the region and are chosen in consultation with local producer groups and professional foresters.

For full details, view:
www.planvivo.org/wp-content/uploads/Limay_mixed-forest_Plan-Vivo_TS_FINAL_March2011.pdf

Boundary Planting

This technical specification was introduced in 2011 as a pilot project. Otherwise known as living fences, boundary planting is a way of introducing a variety of tree species along a property line in order to replace fencing over time, as opposed to building and maintaining fences made of timber. While sequestering carbon dioxide, this system helps diversify income, build long-lasting fences, and produce highly prized lumber in the long run.

For full details, view: www.planvivo.org/wp-content/uploads/TS_B_Limay-F.pdf

Silvopastoral Planting

The Silvopastoral technical specification acknowledges the need for cattle pastures by integrating trees and improved pasture with livestock. The trees improve pasture productivity, provide shade, and produce timber, forage and fruit products for the farmers. The short rotation nitrogen fixing species is harvested at a young age, providing building posts while fertilizing the soil. This silvopastoral planting design sequesters carbon dioxide, provides ecosystem services in the short run, and sustainably produced highly prized timber in the long run. Additionally, the system provides additional services such as improving the pasture below the trees and adding biomass to the soil.

Changes to technical specifications

All technical specifications now include the new project boundary and the addition of an adaptive management approach:

> "The forecasted carbon benefit only takes into account the carbon benefit of the longer rotation species. The other species are excluded to actively manage the carbon sequestration of the system based on adaptive management. If the longer rotation species grow at a lower rate than is forecasted in this report, the project can delay or

remove fewer of the trees scheduled for shorter rotations so that on a stand level the carbon requirements are being met. For example, if one timber species is not growing to expectation, more *Caesalpinia velutina* can be left uncut to ensure a wider growth until it must be removed to make room for more longer-lived and valuable species, all while guaranteeing the carbon obligations for that year. *Caesalpinia velutina* also has the ability to grow into a large tree, so leaving these species for the longer-term is also viable. This method ensures that producers can meet their growth milestones since approximately double the number of trees is planted than what was used for the carbon forecasting."

Additionally, the initial density of the Mixed Species Plantations has been increased from 1389 trees per hectare to 1667 trees per hectare (an increase of 278 trees/ha).

Summary of total participation and project size

The following data represents the scale of the project to date (all vintages).

The total number of producers with registered PES agreements:	131
The total area covered by the project:	378.8 ha equivalent*
Total hectares Mixed Species Plantation (original):	112.4 ha
Total kilometers Boundary Planting: (original)	35.9 km (29.4 ha equivalent)
Total hectares Mixed Species Plantation:	148.0 ha (149.7 ha equivalent)
Total kilometers of Boundary Planting:	18.6 km (13.5 ha equivalent)
Total hectares of Silvopastoral:	114.0 ha (73.8 ha equivalent)

*Please see Appendix 1 for an explanation of ha equivalent.

4. Submission for Plan Vivo Certificate Issuance

Recruitment of new producers

The 2012 planting season in Nicaragua started off at an incredible pace. Even by mid-January, farmer recruitment targets were surpassed. In fact, a greater number of producers were interested in the project than was required to meet 2012 planting targets, as explained below.

Recruitment challenges

High producer demand

Unlike the previous planting season, Taking Root had more demand from potential project participants than required. A significant number of farmers wished to join the project even after recruitment was complete.

Solution: These eager participants were pre-registered for the 2013 planting season, which has made the coming season progress very quickly.

Dropped producers or parcel changes

During 2012 Taking Root experienced some changes in producers and parcels from previous vintages, namely: the modification of some parcels, the voluntary departure of three farmers, and the dismissal of one farmer for non-participation. In order to compensate for these changes, Taking Root allocated certain credits generated through the 2012 plantations to its 2010 and 2011 vintages.

The following table details this allocation of 2012 produced credits to 2011 and 2010 vintages.

Table 3: Allocation of lost credits

Vintage	2010	2011	Totals
Original area planted (ha eq.)	41.65	113.68	155.33
Area lost (ha eq.)	9.18	4.38	13.56
Remaining area (ha eq.)	32.47	109.30	141.77
Certificates (tCO_2) reported	12,342	33,684	46,026
Certificates (tCO_2) lost	2,720	1,299	4,019
Remaining certificates (tCO_2)	9,622	32,385	42,007
Year lost area was replanted	2012	2012	

See Appendix 5 for a detailed list of areas lost.

Recruitment across expanded project area

With a much larger project boundary, project technicians are required to travel significantly greater distances to recruit farmers from unfamiliar communities and convince them to include reforestation into their farm management plans. This has required a great deal of time and has increased fuel expenses for the team.

Solution: The project technicians are recruiting producers in clusters within each community,

which is meant to reduce the effort required to achieve greater involvement from these further communities.

Developing relationships in new communities

With the new project boundary, technicians have been working hard to develop relationships within the following 11 new communities:

- Santana
- Ocotillo
- Zapotillo
- La Naranja
- Morcillo
- El Garcero
- El Regen
- Diamante
- Victorina
- El Palmar
- Quebrada de Agua

Solution: To peak the interest of community members, technicians give talks with the community and meet with community leaders. This helps develop trust and familiarity with the technicians, the project and Taking Root in general.

Producer retention

In 2012, a few producers did not meet their obligations and withdrew from the project. Consequently, some of the lands that were included in the project had to be removed, and loans and materials that these producers received had to be retrieved by technicians.

Solution: This has given the organization an opportunity to evaluate its system early on in the project development. To prevent future breach of contract, Taking Root held an operational team meeting to discuss various solutions. The team determined that the best solution was to add a co-signer to new producer contracts. Technicians also decided to communicate with the lost producers and have successfully received most the materials and funds.

Project sales and allocations

Table 4: Project CO_2 sales and allocations for the 2012 vintage

Total volume of CO_2 forward sold	66,207 tCO_2
Total sale price	
Number of producers allocated to buyers	63
Total area	223.5 ha equivalent
Technical specification applied	Mixed Species Plantation, Boundary Planting and SIlvopastoral Planting
Price to community fund per offset	
% of sale price to reach communities as PES	60%

For a complete list of producers and payments, see Monitoring Results in Appendix 2.

5. Sales of Plan Vivo certificates

Carbon sales

The following table outlines the distribution of Plan Vivo Certificates sold to date by vintage.

Table 5: Carbon sales to date

Vintage	Name of purchaser	Number of Plan Vivo certificates purchased	Price per certificate (USD)	Total amount received (USD)
2010	PrimaKlima - weltweit- e.V.	11,009		
2010	Carbon Advice Group	95		
2010	CLEVEL	650		
2010	Carbon Finance Intel	50		
2010	Taking Root	538		
2010	**Total**	**12,342**		
2011	PrimaKlima - weltweit- e.V.	20,950		
2011	PrimaKlima - weltweit- e.V.	5300		
2011	CLEVEL	850		
2011	CLEVEL	1,350		
2011	Zero Mission	1,000		
2011	Taking Root	4,234		
2011	**Total**	**33,684**		
2012	PrimaKlima - weltweit- e.V.	30,000		
2012	CLEVEL	1400		
2012	MyClimate	10,000		
2012	Zero Mission	20,000		
2012	Zero Mission	3899		
2012	COTAP	359		
2012	Taking Root retail sales	219		
2012	Taking Root	330		
2012	**Total**	**66,207**		
All years	**GRAND TOTAL**	**112,233**		

6. Monitoring results

Monitoring results

For detailed monitoring results for new plan vivos, see Appendix 2.

For monitoring results for continuing participants, see Appendix 3.

Barriers faced

Communication challenges

There were several communication challenges faced during the 2011 monitoring process that have since been resolved with the implementation of the tablets, the shared server, and the use of Skype. As a result, the 2012 monitoring process went very smoothly.

Other challenges from the previous year, like the recording of dead or missing trees, were resolved as well. Taking Root now has a system in place to differentiate between unmonitored plots, monitored plots with no trees, and monitored plots with trees.

Permanent sample pots

Taking Root monitors 10% of the area planted, and 10% of these trees are situated in location-specific permanent sample plots. The trees in these plots are tagged and are given a permanent ID so that technicians can track the re-measured trees each year. However, if trees within the permanent sample plots are lost or die, this can cause some confusion in the monitoring system.

Early in the planting season, Taking Root realized that there was an issue with the permanent sample plots. Technicians had mistakenly replaced lost trees in the permanent plots with trees of different species or different ages, so this created irregular monitoring results. Fortunately this was recognized during a pre-monitoring process, which was conducted so as to identify such challenges. To resolve the issue, training was conducted with the project technicians so as to ensure the tree ID labeling and tracking was done correctly. The result of these permanent sample plots will be an extensive data set that will be invaluable for future research.

Unsuccessful monitoring results

Where producers did not meet monitoring requirements, the following causes were apparent:

Tree mortality: There was a mini drought in the middle of the rainy season, which caused higher than usual seedling mortality.

Nursery results: Although more than enough seedlings where established in nurseries across the project, some remote producers with individual nurseries had unsuccessful results.

Improvements to monitoring process

Permanent sample plots

The permanent sample plot tags that were previously being used were not durable enough to

last over the medium and long-term. New tags were purchased that were specifically designed for this purpose and will last much longer.

Expanded team

The monitoring team has been expanded to include Danelia del Carmen Sandoval Mendoza as Assistant Monitoring Technician. She will be working with Randolf Bayardo Castellón Betanco, the lead monitoring technician.

7. PES update

Payments for Ecosystem Services

The table below provides a summary of the payments for ecosystem services made to date.

Payment batch indicates the number of separate times each producer received payments. *Producers paid* refers to the number of producers who successfully met monitoring targets. P*ayments issued* represents the unique payments made (number of batches x number of producers).

Producers who successfully passed their targets for 2010 and 2011 planting received their payments for those years and 50% of 2012 payments. 2010 and 2011 producers who did not meet 2011 targets but met them in 2012 were paid the rest of their 2010 and 2011 payments but the 2012 payment was withheld. 2012 producers received all of their 2012 payments so as to ensure they had enough capital to complete their work.

These payments were cross-referenced with the technician's experience on the ground, so as to ensure that producers had enough incentive and enough capital to participate successfully.

For detailed PES information, see Appendix 4.

Table 6: PES summary

Payment year	Payment batches	Producers paid	Payments issued	Amount paid*
2010	1	18	18	$2,070.93
2011	3	78	100	$11,461.75
2012	2	133	334	$51,933.17
TOTAL	**6**	**134 unique producers**	**452**	**$65,465.85**

**Taking Root has provided many producers with advance payments for planting needs. These advance payments are deducted from future payments at a rate that mirrors the PES schedule. Thus the figures in this table and in Appendix 4 have already had a percentage of the advance payments deducted. (See section 11.3 of* Technical Specification – Mixed Forest Plantation *for PES schedule.)*

Table 7: Producer loans for material and cash advances for project establishment

Vintage	Advance payment amounts
2010	$5,862.98
2011	$20,185.40
2012	$45,107.99
TOTAL	**$71,156.37**

Note: The advance payment amounts from 2010 and 2011 have been updated to reflect changes in producer participation.

8. Ongoing community participation

Community participation methods

Taking Root uses the following methods to communicate with community participants throughout the year:

Planting manuals

Taking Root has updated the planting manuals to reflect the changes in the technical specifications. These manuals continue to serve as a valuable resource for technicians and producers.

Community consultation

Within each community, technicians meet with the leaders and the community members to present the project and its many benefits. The technicians are able to address any concerns that the community may have, and gain their trust.

Technician and group training

Taking Root has invested additional resources and time into improving the training of the technicians. These skills, in turn, are used to help train the participating producers during group training sessions in each community. These group training sessions allow technicians to train more producers at once, and enables producers to successfully work together to help reforest each other's land.

Community-led training

During planting, technicians will work with farmers to make sure they understand the procedures and, when the technicians are confident in the participants, they move to the next group. As a consequence, the community members involved in the training and reforestation are themselves equipped with the knowledge and experience required to train other project participants, creating an 'exponential training curve'.

9. Breakdown of operational costs

Operational costs

The following table provides an overview of all operational costs connected to the project from 1 October 2011 – 30 September 2012.

Table 8: Operational costs

Expenses	Cost (USD) 2012
Human resources	$177,010
Office/administration	$13,834
Equipment/materials	$7,176
Travel	$4,104
Production expenses	$14,273
Consultancy	$32,094
Plan Vivo fees	$19,192
Training	$261
Marketing/Sales	$7,762
Financial fees	$4,758
Offsets in stock*	
Community fund**	
Total Expenses	$448,987

Income***	
Non offset revenue	$12,522
Sales of Plan Vivo Certificates	
Grants	$62,618
Donations	$24,958
Total income	

** Offsets in stock refers to 2012 offsets purchased by Taking Root for resale that have yet to be sold.*

*** This includes contracts made during this financial period earmarked for offsets for the 2013 planting season.*

**** Income received within the accounting period 1st October 2011 – 30th September 2012, including cash received for sales secured on certificates issued in both 2011 and 2012.*

Appendix 1: Equivalent hectare calculation

"Equivalent hectares" refers to the conversion of units of one technical specification to another, in order to combine the two to better illustrate the project's total size.

In Taking Root's case, the equivalency factor is one hectare of Mixed Species Plantation (original), or 296.3 tCO_2.

In 2011, one kilometer of Boundary Planting sequestered 243 tCO_2.

By dividing the tonnage of one kilometer of Boundary Planting by the tonnage of one hectare of Mixed Species Plantation (original), we calculate that 0.82 hectares of Mixed Species is equal in tonnage to 1 kilometer of Boundary Planting.

If we then multiple the unit lengths in kilometers of the parcels of Boundary Planting by 0.82, we find the equivalent hectares in Mixed Species. The hectares from both technical specifications can then be aggregated to find the total equivalent hectares planted for the year.

Table 9: Equivalent hectares for technical specifications

Technical specification	Tonnes sequestered per unit	Equivalent area per tonnage	Total area planted	Equivalent area planted
Mixed Species Plantation (original)	296.3 tonnes / hectare	1 ha = 1 ha	112.4 ha	112.4 ha
Boundary Planting (original)	243 tonnes / kilometer	1 km = 0.82 ha	35.9 km	29.4 ha equivalent
Mixed Species Plantation	299.7 tonnes / hectare	1 ha = 1.01 ha	148.0 ha	149.7 ha equivalent
Boundary Planting	214.8 tonnes / kilometer	1 km = 0.73 ha	18.6 km	13.5 ha equivalent
Silvopastoral	191.9 tonnes / hectare	1 ha = 0.65 ha	114.0 ha	73.8 ha equivalent

Appendix 2: Monitoring results for new plan vivos

Table 10: 2012 monitoring results

Year planted	Monitoring year	Parcel ID	Full name[2]	Technical Specification	Area	Unit	Target met?	Saleable tCO_2 (after deducting risk buffer)
2012	1	10.1.001.12.4.01		Mixed Species	1.65	ha	Fail	495
2012	1	10.1.002.12.4.01		Mixed Species	8.94	ha	Pass	2679
2012	1	10.1.017.12.3.01		Silvopastoral	6.89	ha	Fail	1322
2012	1	11.1.006.12.4.01		Mixed Species	1.14	ha	Fail	342
2012	1	11.1.024.12.4.01		Mixed Species	0.98	ha	Pass	294
2012	1	11.1.028.12.4.01		Mixed Species	4.08	ha	Pass	1223
2012	1	11.1.052.12.4.01		Mixed Species	1.26	ha	Pass	378
2012	1	11.1.058.12.3.01		Silvopastoral	1.26	ha	Pass	242
2012	1	11.1.058.12.3.02		Silvopastoral	2.99	ha	Fail	574
2012	1	11.1.058.12.3.03		Silvopastoral	2.11	ha	Pass	405
2012	1	12.1.001.12.4.01		Mixed Species	1.87	ha	Pass	560
2012	1	12.1.003.12.4.01		Mixed Species	4.44	ha	Pass	1331
2012	1	12.1.004.12.4.01		Mixed Species	6.2	ha	Pass	1858
2012	1	12.1.005.12.4.01		Mixed Species	3.74	ha	Pass	1121
2012	1	12.1.006.12.4.01		Mixed Species	5.06	ha	Pass	1516
2012	1	12.1.007.12.4.01		Mixed Species	1.87	ha	Pass	560
2012	1	12.1.008.12.4.01		Mixed Species	5	ha	Pass	1499
2012	1	12.1.009.12.4.01		Mixed Species	1.03	ha	Pass	309
2012	1	12.1.010.12.4.01		Mixed Species	0.69	ha	Pass	207
2012	1	12.1.010.12.4.02		Mixed Species	0.97	ha	Fail	291
2012	1	12.1.011.12.4.01		Mixed Species	8.86	ha	Pass	2655
2012	1	12.1.012.12.4.01		Mixed Species	2.01	ha	Pass	602
2012	1	12.1.013.12.4.01		Mixed Species	5.01	ha	Pass	1501

2

Year planted	Monitoring year	Parcel ID	Full name[2]	Technical Specification	Area	Unit	Target met?	Saleable tCO_2 (after deducting risk buffer)
2012	1	12.1.014.12.4.01		Mixed Species	1.19	ha	Pass	357
2012	1	12.1.015.12.4.01		Mixed Species	1.16	ha	Pass	348
2012	1	12.1.016.12.4.01		Mixed Species	0.39	ha	Pass	117
2012	1	12.1.016.12.4.02		Mixed Species	0.63	ha	Pass	189
2012	1	12.1.017.12.4.01		Mixed Species	1.24	ha	Pass	372
2012	1	12.1.018.12.5.01		Boundary Planting	0.68	km	Pass	146
2012	1	12.1.018.12.5.02		Boundary Planting	0.63	km	Pass	135
2012	1	12.1.018.12.5.03		Boundary Planting	0.77	km	Pass	165
2012	1	12.1.018.12.5.04		Boundary Planting	0.45	km	Pass	97
2012	1	12.1.018.12.5.05		Boundary Planting	0.9	km	Pass	193
2012	1	12.1.018.12.5.06		Boundary Planting	0.2	km	Pass	43
2012	1	12.1.019.12.4.01		Mixed Species	0.73	ha	Pass	219
2012	1	12.1.019.12.4.02		Mixed Species	0.43	ha	Fail	129
2012	1	12.1.019.12.4.03		Mixed Species	4.13	ha	Pass	1238
2012	1	12.1.020.12.3.01		Silvopastoral	67.8	ha	Pass	13011
2012	1	12.1.021.12.5.01		Boundary Planting	1.2	km	Pass	258
2012	1	12.1.021.12.5.02		Boundary Planting	0.16	km	Pass	34
2012	1	12.1.021.12.5.03		Boundary Planting	0.22	km	Pass	47
2012	1	12.1.021.12.5.04		Boundary Planting	0.29	km	Pass	62
2012	1	12.1.021.12.5.05		Boundary Planting	0.59	km	Pass	127
2012	1	12.1.021.12.5.06		Boundary Planting	0.79	km	Pass	170
2012	1	12.1.021.12.5.07		Boundary Planting	0.7	km	Pass	150
2012	1	12.1.021.12.5.08		Boundary Planting	0.35	km	Pass	75
2012	1	12.1.021.12.5.09		Boundary Planting	0.48	km	Pass	103
2012	1	12.1.022.12.4.01		Mixed Species	1.11	ha	Pass	333
2012	1	12.1.023.12.4.01		Mixed Species	1.35	ha	Pass	405
2012	1	12.1.024.12.4.01		Mixed Species	0.35	ha	Pass	105
2012	1	12.1.024.12.4.02		Mixed Species	0.29	ha	Pass	87

Year planted	Monitoring year	Parcel ID	Full name[2]	Technical Specification	Area	Unit	Target met?	Saleable tCO_2 (after deducting risk buffer)
2012	1	12.1.024.12.5.01		Boundary Planting	0.59	km	Pass	127
2012	1	12.1.024.12.5.02		Boundary Planting	0.22	km	Pass	47
2012	1	12.1.024.12.5.03		Boundary Planting	0.39	km	Pass	84
2012	1	12.1.025.12.4.01		Mixed Species	1.2	ha	Pass	360
2012	1	12.1.026.12.4.01		Mixed Species	1.84	ha	Pass	551
2012	1	12.1.027.12.4.01		Mixed Species	1.93	ha	Pass	578
2012	1	12.1.028.12.4.01		Mixed Species	0.85	ha	Pass	255
2012	1	12.1.028.12.4.02		Mixed Species	7.61	ha	Pass	2281
2012	1	12.1.029.12.4.01		Mixed Species	2.49	ha	Pass	746
2012	1	12.1.030.12.4.01		Mixed Species	1.75	ha	Pass	524
2012	1	12.1.031.12.4.01		Mixed Species	1.88	ha	Pass	563
2012	1	12.1.031.12.5.01		Boundary Planting	0.64	km	Pass	137
2012	1	12.1.031.12.5.02		Boundary Planting	0.77	km	Pass	165
2012	1	12.1.031.12.5.03		Boundary Planting	0.57	km	Pass	122
2012	1	12.1.031.12.5.04		Boundary Planting	0.25	km	Pass	54
2012	1	12.1.031.12.5.05		Boundary Planting	0.12	km	Pass	26
2012	1	12.1.031.12.5.06		Boundary Planting	0.18	km	Pass	39
2012	1	12.1.032.12.4.01		Mixed Species	1.33	ha	Pass	399
2012	1	12.1.033.12.4.01		Mixed Species	3.49	ha	Pass	1046
2012	1	12.1.034.12.4.01		Mixed Species	0.96	ha	Fail	288
2012	1	12.1.035.12.4.01		Mixed Species	4.27	ha	Pass	1280
2012	1	12.1.036.12.4.01		Mixed Species	1.6	ha	Pass	480
2012	1	12.1.037.12.3.01		Silvopastoral	6.36	ha	Pass	1220
2012	1	12.1.038.12.3.01		Silvopastoral	26.56	ha	Pass	5097
2012	1	12.1.039.12.4.01		Mixed Species	2.27	ha	Pass	680
2012	1	12.1.039.12.4.02		Mixed Species	1.72	ha	Pass	515
2012	1	12.1.039.12.4.03		Mixed Species	1.39	ha	Pass	417
2012	1	12.1.039.12.5.01		Boundary Planting	0.36	km	Fail	77
2012	1	12.1.039.12.5.02		Boundary Planting	0.53	km	Fail	114

Year planted	Monitoring year	Parcel ID	Full name[2]	Technical Specification	Area	Unit	Target met?	Saleable tCO_2 (after deducting risk buffer)
2012	1	12.1.040.12.4.01		Mixed Species	2.53	ha	Pass	758
2012	1	12.1.041.12.4.01		Mixed Species	0.8	ha	Pass	240
2012	1	12.1.041.12.5.01		Boundary Planting	0.55	km	Pass	118
2012	1	12.1.041.12.5.02		Boundary Planting	0.71	km	Pass	153
2012	1	12.1.041.12.5.03		Boundary Planting	0.73	km	Fail	157
2012	1	12.1.041.12.5.04		Boundary Planting	0.55	km	Fail	118
2012	1	12.1.041.12.5.05		Boundary Planting	0.38	km	Pass	82
2012	1	12.1.042.12.4.01		Mixed Species	1.31	ha	Pass	393
2012	1	12.1.043.12.4.01		Mixed Species	8.58	ha	Pass	2571
2012	1	12.1.044.12.4.01		Mixed Species	1.18	ha	Pass	354
2012	1	12.1.045.12.4.01		Mixed Species	1.11	ha	Pass	333
2012	1	12.1.046.12.4.01		Mixed Species	1.2	ha	Pass	360
2012	1	12.1.047.12.4.01		Mixed Species	0.71	ha	Pass	213
2012	1	12.1.047.12.5.01		Boundary Planting	0.14	km	Pass	30
2012	1	12.1.047.12.5.02		Boundary Planting	0.46	km	Pass	99
2012	1	12.1.048.12.4.01		Mixed Species	1.09	ha	Pass	327
2012	1	12.1.048.12.4.02		Mixed Species	0.49	ha	Pass	147
2012	1	12.1.048.12.4.03		Mixed Species	0.72	ha	Pass	216
2012	1	12.1.049.12.4.01		Mixed Species	2.62	ha	Pass	785
2012	1	12.1.050.12.4.01		Mixed Species	2.52	ha	Pass	755
2012	1	12.1.051.12.4.01		Mixed Species	5.93	ha	Pass	1777
2012	1	12.1.052.12.4.01		Mixed Species	1.1	ha	Fail	330
2012	1	12.1.053.12.4.01		Mixed Species	1.03	ha	Pass	309
2012	1	12.1.054.12.4.01		Mixed Species	0.73	ha	*	219
2012	1	12.1.054.12.5.01		Boundary Planting	0.53	km	*	114
2012	1	12.1.054.12.5.02		Boundary Planting	0.35	km	*	75
2012	1	12.1.054.12.5.03		Boundary Planting	0.11	km	*	24
2012	1	12.1.054.12.5.04		Boundary Planting	1.04	km	*	223
						TOTAL**		**70,226**

* Indicates parcel was planted post-monitoring.

** The total saleable tCO_2 in this table does not add up to this exact number due to rounding, yet the total entered is correct. Note also that this figure represents parcels planted in 2012, some of which are allocated to make up for losses in previous years.

Appendix 3: Monitoring results for continuing plan vivos

Table 11: Monitoring results for continuing plan vivos

Vintage	Monitoring year	Parcel ID	Full name[3]	Technical Specification	Area	Unit	Target met?	Saleable tCO2 (after deducting risk buffer)
2010	3	10.1.001.10.1.01		Mixed Species (Original)	1.36	ha	Pass	403
2010	2	10.1.001.11.1.01		Mixed Species (Original)	1.36	ha	Pass	293
2010	2	10.1.002.10.1.02		Mixed Species (Original)	0.92	ha	Pass	273
2010	3	10.1.003.10.1.01		Mixed Species (Original)	3.39	ha	Pass	1005
2010	3	10.1.004.10.1.01		Mixed Species (Original)	0.89	ha	Pass	264
2010	3	10.1.005.10.1.01		Mixed Species (Original)	0.87	ha	Pass	257
2010	3	10.1.005.10.1.02		Mixed Species (Original)	0.63	ha	Pass	188
2010	3	10.1.006.10.1.01		Mixed Species (Original)	0.78	ha	Pass	231
2011	2	10.1.006.11.2.01		Boundary Planting (Original)	1.02	km	Pass	248
2011	2	10.1.006.11.2.02		Boundary Planting (Original)	0.24	km	Pass	59
2010	3	10.1.007.10.1.01		Mixed Species (Original)	1.77	ha	Pass	524
2010	3	10.1.008.10.1.01		Mixed Species (Original)	1.54	ha	Pass	456
2010	3	10.1.009.10.1.01		Mixed Species (Original)	1.62	ha	Pass	480
2011	2	10.1.009.11.1.01		Mixed Species (Original)	0.70	ha	Pass	207
2011	2	10.1.009.11.1.02		Mixed Species (Original)	0.37	ha	Fail	110
2010	3	10.1.010.10.1.01		Mixed Species (Original)	2.07	ha	Pass	613
2010	3	10.1.011.10.1.01		Mixed Species (Original)	1.68	ha	Fail	497
2010	3	10.1.012.10.1.01		Mixed Species (Original)	0.97	ha	Pass	287
2010	3	10.1.013.10.1.01		Mixed Species (Original)	0.95	ha	Pass	281
2011	2	10.1.013.11.1.01		Mixed Species (Original)	0.36	ha	Pass	107
2011	2	10.1.013.11.1.02		Mixed Species (Original)	0.44	ha	Pass	130
2010	3	10.1.015.10.1.01		Mixed Species (Original)	1.08	ha	Pass	319
2010	3	10.1.015.10.1.02	Angela Martinez Perez	Mixed Species (Original)	1.59	ha	Pass	471
2011	2	10.1.015.11.1.01	Angela Martinez Perez	Mixed Species (Original)	0.65	ha	Pass	193

[3] Due to data protection regulations, the names of participants have been removed from the public version of this document

Vintage	Monitoring year	Parcel ID	Full name[3]	Technical Specification	Area	Unit	Target met?	Saleable tCO2 (after deducting risk buffer)
2010	3	10.1.016.10.1.01		Mixed Species (Original)	0.99	ha	Pass	293
2010	3	10.1.017.10.1.01		Mixed Species (Original)	2.97	ha	Pass	881
2010	3	10.1.018.10.1.01		Mixed Species (Original)	2.15	ha	Pass	637
2010	3	10.1.019.10.1.01		Mixed Species (Original)	1.52	ha	Pass	451
2010	3	10.1.020.10.1.01		Mixed Species (Original)	0.44	ha	Pass	129
2010	3	10.1.020.10.1.02		Mixed Species (Original)	0.87	ha	Pass	258
2011	2	10.1.020.11.2.01		Boundary Planting (Original)	0.85	km	Pass	207
2011	2	10.1.020.11.2.02		Boundary Planting (Original)	0.22	km	Pass	53
2011	2	10.1.020.11.2.03		Boundary Planting (Original)	0.12	km	Pass	29
2011	2	10.1.020.11.2.04		Boundary Planting (Original)	0.60	km	Pass	146
2010	3	10.1.021.10.1.01		Mixed Species (Original)	0.68	ha	Pass	201
2011	2	10.1.021.11.2.01		Boundary Planting (Original)	0.28	km	Pass	68
2011	2	10.1.021.11.2.02		Boundary Planting (Original)	0.81	km	Pass	197
2010	3	10.1.022.10.1.01		Mixed Species (Original)	0.51	ha	Pass	151
2010	3	10.1.022.10.1.02		Mixed Species (Original)	0.23	ha	Fail	68
2011	2	10.1.022.11.2.01		Boundary Planting (Original)	0.37	km	Pass	90
2011	2	10.1.022.11.2.02		Boundary Planting (Original)	0.32	km	Fail	78
2011	2	11.1.001.11.1.01		Mixed Species (Original)	0.97	ha	Pass	287
2011	2	11.1.001.11.1.02		Mixed Species (Original)	0.39	ha	Pass	116
2011	2	11.1.002.11.1.01		Mixed Species (Original)	1.13	ha	Pass	335
2011	2	11.1.003.11.1.01		Mixed Species (Original)	0.52	ha	Pass	154
2011	2	11.1.003.11.2.01		Boundary Planting (Original)	1.13	km	Pass	275
2011	2	11.1.003.11.2.02		Boundary Planting (Original)	0.35	km	Pass	85
2011	2	11.1.003.11.2.03		Boundary Planting (Original)	0.19	km	Pass	46
2011	2	11.1.004.11.1.01		Mixed Species (Original)	1.18	ha	Pass	350
2011	2	11.1.005.11.1.01		Mixed Species (Original)	0.66	ha	Pass	196
2011	2	11.1.005.11.1.02		Mixed Species (Original)	0.67	ha	Pass	199
2011	2	11.1.006.11.1.01		Mixed Species (Original)	0.96	ha	Pass	284
2011	2	11.1.006.11.1.02		Mixed Species (Original)	0.06	ha	**	18
2011	2	11.1.007.11.1.01		Mixed Species (Original)	0.72	ha	Pass	213

Vintage	Monitoring year	Parcel ID	Full name[3]	Technical Specification	Area	Unit	Target met?	Saleable tCO2 (after deducting risk buffer)
2011	2	11.1.007.11.2.01		Boundary Planting (Original)	2.10	km	Pass	510
2011	2	11.1.009.11.1.01		Mixed Species (Original)	0.49	ha	Pass	145
2011	2	11.1.009.11.1.02		Mixed Species (Original)	0.47	ha	Pass	139
2011	2	11.1.010.11.1.01		Mixed Species (Original)	0.76	ha	Pass	225
2011	2	11.1.010.11.1.02		Mixed Species (Original)	0.52	ha	Pass	154
2011	2	11.1.011.11.1.01		Mixed Species (Original)	0.85	ha	Pass	252
2011	2	11.1.011.11.1.02		Mixed Species (Original)	0.87	ha	Pass	259
2011	2	11.1.012.11.1.01		Mixed Species (Original)	0.65	ha	Pass	193
2011	2	11.1.012.11.2.01		Boundary Planting (Original)	2.95	km	Pass	717
2011	2	11.1.013.11.1.01		Mixed Species (Original)	0.63	ha	Fail	187
2011	2	11.1.013.11.1.02		Mixed Species (Original)	0.68	ha	Pass	201
2011	2	11.1.014.11.1.01		Mixed Species (Original)	0.83	ha	Pass	246
2011	2	11.1.014.11.1.02		Mixed Species (Original)	0.41	ha	Fail	121
2011	2	11.1.015.11.1.01		Mixed Species (Original)	1.41	ha	Pass	418
2011	2	11.1.016.11.1.01		Mixed Species (Original)	0.76	ha	Pass	225
2011	2	11.1.016.11.2.01		Boundary Planting (Original)	1.01	km	Pass	245
2011	2	11.1.016.11.2.02		Boundary Planting (Original)	0.18	km	Pass	44
2011	2	11.1.016.11.2.03		Boundary Planting (Original)	0.21	km	Pass	51
2011	2	11.1.017.11.1.01		Mixed Species (Original)	1.45	ha	Pass	430
2011	2	11.1.018.11.1.01		Mixed Species (Original)	0.75	ha	Pass	222
2011	2	11.1.018.11.2.01		Boundary Planting (Original)	0.55	km	Pass	134
2011	2	11.1.018.11.2.02		Boundary Planting (Original)	0.22	km	Pass	53
2011	2	11.1.019.11.1.01		Mixed Species (Original)	2.35	ha	Pass	696
2011	2	11.1.020.11.1.01		Mixed Species (Original)	0.55	ha	Pass	163
2011	2	11.1.020.11.1.02		Mixed Species (Original)	0.94	ha	Pass	279
2011	2	11.1.021.11.1.01		Mixed Species (Original)	0.82	ha	Pass	243
2011	2	11.1.021.11.2.01		Boundary Planting (Original)	0.44	km	Pass	107
2011	2	11.1.021.11.2.02		Boundary Planting (Original)	0.11	km	Pass	27
2011	2	11.1.021.11.2.03		Boundary Planting (Original)	0.41	km	Pass	100
2011	2	11.1.022.11.1.01		Mixed Species (Original)	0.13	ha	**	39

Vintage	Monitoring year	Parcel ID	Full name[3]	Technical Specification	Area	Unit	Target met?	Saleable tCO2 (after deducting risk buffer)
2011	2	11.1.022.11.1.02		Mixed Species (Original)	0.93	ha	Pass	276
2011	2	11.1.023.11.1.01		Mixed Species (Original)	1.19	ha	Pass	353
2011	2	11.1.024.11.1.01		Mixed Species (Original)	1.75	ha	Fail	519
2011	2	11.1.025.11.1.01		Mixed Species (Original)	4.42	ha	Pass	1310
2011	2	11.1.026.11.1.01		Mixed Species (Original)	2.28	ha	Pass	676
2011	2	11.1.027.11.1.01		Mixed Species (Original)	0.50	ha	Pass	148
2011	2	11.1.027.11.1.02		Mixed Species (Original)	0.62	ha	Pass	184
2011	2	11.1.027.11.2.01		Boundary Planting (Original)	0.29	km	Pass	70
2011	2	11.1.027.11.2.02		Boundary Planting (Original)	0.07	km	Pass	17
2011	2	11.1.027.11.2.03		Boundary Planting (Original)	0.46	km	Fail	112
2011	2	11.1.027.11.2.04		Boundary Planting (Original)	0.22	km	Fail	53
2011	2	11.1.027.11.2.05		Boundary Planting (Original)	0.25	km	Fail	61
2011	2	11.1.027.11.2.06		Boundary Planting (Original)	0.32	km	Fail	78
2011	2	11.1.028.11.1.01		Mixed Species (Original)	0.27	ha	Fail	80
2011	2	11.1.028.11.1.02		Mixed Species (Original)	1.65	ha	Pass	489
2011	2	11.1.028.11.1.03		Mixed Species (Original)	0.51	ha	Fail	151
2011	2	11.1.029.11.1.01		Mixed Species (Original)	1.35	ha	Pass	400
2011	2	11.1.030.11.1.01		Mixed Species (Original)	2.19	ha	Pass	649
2011	2	11.1.031.11.1.01		Mixed Species (Original)	1.35	ha	Pass	400
2011	2	11.1.032.11.1.01		Mixed Species (Original)	0.92	ha	Pass	273
2011	2	11.1.033.11.1.01		Mixed Species (Original)	0.92	ha	Pass	273
2011	2	11.1.034.11.1.01		Mixed Species (Original)	0.97	ha	Pass	287
2011	2	11.1.034.11.1.02		Mixed Species (Original)	0.32	ha	Pass	95
2011	2	11.1.035.11.1.01		Mixed Species (Original)	1.48	ha	Pass	439
2011	2	11.1.036.11.1.01		Mixed Species (Original)	1.53	ha	Pass	453
2011	2	11.1.037.11.1.01		Mixed Species (Original)	0.53	ha	Pass	157
2011	2	11.1.037.11.1.02		Mixed Species (Original)	0.29	ha	Pass	86
2011	2	11.1.037.11.2.01		Boundary Planting (Original)	0.46	km	Pass	112
2011	2	11.1.037.11.2.02		Boundary Planting (Original)	0.42	km	Pass	102
2011	2	11.1.037.11.2.03		Boundary Planting (Original)	0.46	km	Pass	112

Vintage	Monitoring year	Parcel ID	Full name[3]	Technical Specification	Area	Unit	Target met?	Saleable tCO2 (after deducting risk buffer)
2011	2	11.1.038.11.2.01		Boundary Planting (Original)	1.62	km	Pass	394
2011	2	11.1.038.11.2.02		Boundary Planting (Original)	0.38	km	Pass	92
2011	2	11.1.039.11.1.01		Mixed Species (Original)	1.92	ha	Pass	569
2011	2	11.1.040.11.1.01		Mixed Species (Original)	0.47	ha	Pass	139
2011	2	11.1.040.11.1.02		Mixed Species (Original)	0.50	ha	Pass	148
2011	2	11.1.040.11.2.01		Boundary Planting (Original)	1.51	km	Pass	367
2011	2	11.1.040.11.2.02		Boundary Planting (Original)	0.11	km	Pass	27
2011	2	11.1.040.11.2.03		Boundary Planting (Original)	0.03	km	Pass	7
2011	2	11.1.041.11.1.01		Mixed Species (Original)	1.40	ha	Pass	415
2011	2	11.1.042.11.1.01		Mixed Species (Original)	1.18	ha	Pass	350
2011	2	11.1.043.11.1.01		Mixed Species (Original)	0.93	ha	Pass	276
2011	2	11.1.043.11.1.02		Mixed Species (Original)	0.41	ha	Pass	121
2011	2	11.1.044.11.1.01		Mixed Species (Original)	0.55	ha	Pass	163
2011	2	11.1.044.11.1.02		Mixed Species (Original)	0.88	ha	Pass	261
2011	2	11.1.044.11.1.03		Mixed Species (Original)	0.94	ha	Pass	279
2011	2	11.1.045.11.1.01		Mixed Species (Original)	1.51	ha	Pass	447
2011	2	11.1.046.11.1.01		Mixed Species (Original)	1.23	ha	Pass	364
2011	2	11.1.046.11.1.02		Mixed Species (Original)	0.53	ha	Pass	157
2011	2	11.1.046.11.1.03		Mixed Species (Original)	0.42	ha	Pass	124
2011	2	11.1.047.11.1.01		Mixed Species (Original)	0.78	ha	Pass	231
2011	2	11.1.047.11.2.01		Boundary Planting (Original)	0.38	km	Pass	92
2011	2	11.1.047.11.2.02		Boundary Planting (Original)	0.27	km	Pass	66
2011	2	11.1.047.11.2.03		Boundary Planting (Original)	0.56	km	Pass	136
2011	2	11.1.048.11.1.01		Mixed Species (Original)	0.74	ha	Pass	219
2011	2	11.1.048.11.2.01		Boundary Planting (Original)	0.09	km	Fail	22
2011	2	11.1.048.11.2.02		Boundary Planting (Original)	0.48	km	Fail	117
2011	2	11.1.048.11.2.03		Boundary Planting (Original)	0.08	km	Fail	19
2011	2	11.1.048.11.2.04		Boundary Planting (Original)	0.24	km	Pass	58
2011	2	11.1.050.11.1.01		Mixed Species (Original)	0.56	ha	Pass	166
2011	2	11.1.050.11.2.01		Boundary Planting (Original)	0.41	km	Pass	100

Vintage	Monitoring year	Parcel ID	Full name[3]	Technical Specification	Area	Unit	Target met?	Saleable tCO2 (after deducting risk buffer)
2011	2	11.1.050.11.2.02		Boundary Planting (Original)	0.81	km	Pass	197
2011	2	11.1.051.11.1.01		Mixed Species (Original)	0.83	ha	Pass	246
2011	2	11.1.051.11.1.02		Mixed Species (Original)	0.37	ha	Pass	110
2011	2	11.1.052.11.1.01		Mixed Species (Original)	0.67	ha	Pass	199
2011	2	11.1.052.11.1.02		Mixed Species (Original)	2.65	ha	Pass	785
2011	2	11.1.052.11.1.03		Mixed Species (Original)	0.90	ha	Pass	267
2011	2	11.1.053.11.1.01		Mixed Species (Original)	2.18	ha	Pass	646
2011	2	11.1.053.11.2.01		Boundary Planting (Original)	0.20	km	Pass	49
2011	2	11.1.053.11.2.02		Boundary Planting (Original)	1.38	km	Pass	335
2011	2	11.1.053.11.2.03		Boundary Planting (Original)	0.01	km	Pass	2
2011	2	11.1.053.11.2.04		Boundary Planting (Original)	0.64	km	Pass	156
2011	2	11.1.054.11.1.01		Mixed Species (Original)	1.15	ha	Pass	341
2011	2	11.1.055.11.1.01		Mixed Species (Original)	0.75	ha	Pass	222
2011	2	11.1.055.11.2.01		Boundary Planting (Original)	1.91	km	Pass	464
2011	2	11.1.056.11.1.01		Mixed Species (Original)	1.29	ha	Pass	382
2011	2	11.1.057.11.1.01		Mixed Species (Original)	0.16	ha	Pass	47
2011	2	11.1.057.11.2.01		Boundary Planting (Original)	0.50	km	Pass	70
2011	2	11.1.057.11.2.02		Boundary Planting (Original)	0.50	km	Pass	122
2011	2	11.1.057.11.2.03		Boundary Planting (Original)	0.04	km	Pass	10
2011	2	11.1.057.11.2.04		Boundary Planting (Original)	0.06	km	Pass	15
2011	2	11.1.057.11.2.06		Boundary Planting (Original)	0.14	km	Pass	34
2011	2	11.1.057.11.2.07		Boundary Planting (Original)	0.47	km	Pass	114
2011	2	11.1.058.11.2.01		Boundary Planting (Original)	0.98	km	Pass	238
2011	2	11.1.058.11.2.02		Boundary Planting (Original)	0.22	km	Pass	53
2011	2	11.1.058.11.2.03		Boundary Planting (Original)	1.24	km	Pass	301
2011	2	11.1.058.11.2.04		Boundary Planting (Original)	1.74	km	Pass	423
2011	2	11.1.058.11.2.05		Boundary Planting (Original)	0.22	km	Pass	53
2011	2	11.1.059.11.1.01		Mixed Species (Original)	0.92	ha	Pass	273
2011	2	11.1.059.11.2.01		Boundary Planting (Original)	1.22	km	Pass	296

** Indicates parcel was not monitored for being too small in size.

Appendix 4: Payments for Ecosystem Services to date

The following tables list all payments made to producers to date, including how much has been p
to producers since the last annual report. A percentage of the advance payments made to produ
has already been deducted from these amounts.

Table 12: Payments from previous reporting period

Payment Year	Month of Transfer	PV Number	Full Name[4]	Payment Ma
2010	December	10.1.007		$100.10
2010	December	10.1.019		$87.06
2010	December	10.1.011		$92.25
2010	December	10.1.005		$83.24
2010	December	10.1.016		$268.04
2010	December	10.1.018		$193.02
2010	December	10.1.003		$214.68
2010	December	10.1.006		$72.61
2010	December	10.1.002		$140.22
2010	December	10.1.009		$88.63
2010	December	10.1.017		$175.54
2010	December	10.1.010		$93.72
2010	December	10.1.004		$54.47
2010	December	10.1.001		$56.22
2010	December	10.1.015		$150.09
2010	December	10.1.012		$51.24
2010	December	10.1.014		$94.57
2010	December	10.1.013		$55.24
2011	May	10.1.007		$134.42
2011	May	10.1.019		$117.19
2011	May	10.1.011		$124.62
2011	May	10.1.005		$112.37
2011	May	10.1.016		$339.64
2011	May	10.1.018		$258.13
2011	May	10.1.003		$286.42
2011	May	10.1.006		$106.18
2011	May	10.1.002		$191.61
2011	May	10.1.009		$119.82
2011	May	10.1.017		$235.59
2011	May	10.1.010		$180.47
2011	May	10.1.004		$72.90

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Payment Year	Month of Transfer	PV Number	Full Name[4]	Payment Made
2011	May	10.1.001		$75.54
2011	May	10.1.015		$202.29
2011	May	10.1.012		$69.51
2011	May	10.1.014		$126.78
2011	May	10.1.013		$74.25
2011	July	10.1.007		$115.29
2011	July	10.1.019		$100.37
2011	July	10.1.011		$106.50
2011	July	10.1.008		$122.68
2011	July	10.1.005		$96.08
2011	July	10.1.016		$298.63
2011	July	10.1.018		$221.96
2011	July	10.1.003		$246.64
2011	July	10.1.006		$87.78
2011	July	10.1.002		$162.63
2011	July	10.1.009		$102.35
2011	July	10.1.017		$202.14
2011	July	10.1.010		$134.71
2011	July	10.1.004		$62.66
2011	July	10.1.001		$64.77
2011	July	10.1.015		$173.12
2011	July	10.1.012		$59.25
2011	July	10.1.014		$108.86
2011	July	10.1.013		$63.65
			2010	**$2,070.93**
			2011 (part)	**$5,357.83**

Table 12: Payments since last report

Payment Year	Month of Transfer	PV ID	Full Name	Payment Made
2011	November	10.1.008		$122.94
2011	November	10.1.020		$213.15
2011	November	10.1.021		$185.56
2011	November	10.1.022		$120.70
2011	November	10.1.001		$171.84
2011	November	10.1.013		$101.96
2011	November	10.1.014		$27.10
2011	November	11.1.001		$38.01
2011	November	11.1.002		$35.65
2011	November	11.1.003		$40.85
2011	November	11.1.004		$76.02
2011	November	11.1.005		$86.44
2011	November	11.1.006		$48.63

Payment Year	Month of Transfer	PV ID	Full Name	Payment Made
2011	November	11.1.007		$136.65
2011	November	11.1.009		$36.78
2011	November	11.1.010		$45.04
2011	November	11.1.011		$56.85
2011	November	11.1.012		$243.72
2011	November	11.1.013		$29.44
2011	November	11.1.014		$47.25
2011	November	11.1.015		$70.02
2011	November	11.1.016		$59.51
2011	November	11.1.017		$91.93
2011	November	11.1.018		$123.32
2011	November	11.1.019		$156.86
2011	November	11.1.020		$42.37
2011	November	11.1.021		$68.22
2011	November	11.1.022		$34.05
2011	November	11.1.023		$76.87
2011	November	11.1.024		$126.78
2011	November	11.1.025		$160.18
2011	November	11.1.026		$142.32
2011	November	11.1.027		$82.74
2011	November	11.1.028		$97.17
2011	November	11.1.029		$92.68
2011	November	11.1.030		$146.34
2011	November	11.1.031		$84.43
2011	November	11.1.032		$57.72
2011	November	11.1.033		$62.23
2011	November	11.1.034		$95.78
2011	November	11.1.035		$100.89
2011	November	11.1.036		$109.13
2011	November	11.1.037		$63.30
2011	November	11.1.038		$142.48
2011	November	11.1.039		$124.39
2011	November	11.1.040		$41.04
2011	November	11.1.041		$104.94
2011	November	11.1.042		$76.41
2011	November	11.1.043		$86.29
2011	November	11.1.044		$107.43
2011	November	11.1.045		$95.62
2011	November	11.1.046		$152.27
2011	November	11.1.047		$131.42
2011	November	11.1.048		$69.16
2011	November	11.1.050		$89.34
2011	November	11.1.051		$56.57

Payment Year	Month of Transfer	PV ID	Full Name	Payment Made
2011	November	11.1.052		$46.10
2011	November	11.1.053		$167.95
2011	November	11.1.054		$77.11
2011	November	11.1.055		$198.09
2011	November	11.1.056		$87.57
2011	November	11.1.057		$86.69
2011	November	11.1.059		$153.67
2012	May	10.1.009		$128.01
2012	May	10.1.015		$138.55
2012	May	10.1.020		$227.44
2012	May	10.1.021		$189.07
2012	May	10.1.022		$88.12
2012	May	11.1.058		$340.39
2012	May	10.1.013		$24.03
2012	May	10.1.004		$24.81
2012	May	10.1.012		$29.35
2012	May	11.1.032		$31.29
2012	May	11.1.033		$33.74
2012	May	11.1.004		$41.21
2012	May	11.1.042		$41.42
2012	May	11.1.023		$41.67
2012	May	11.1.054		$41.80
2012	May	11.1.031		$45.77
2012	May	11.1.006		$45.83
2012	May	11.1.043		$46.78
2012	May	11.1.005		$46.86
2012	May	11.1.056		$47.47
2012	May	11.1.009		$47.77
2012	May	11.1.029		$50.24
2012	May	10.1.005		$50.41
2012	May	11.1.045		$51.83
2012	May	11.1.034		$51.92
2012	May	10.1.019		$52.34
2012	May	11.1.015		$52.94
2012	May	10.1.001		$53.17
2012	May	11.1.017		$53.32
2012	May	10.1.008		$54.45
2012	May	11.1.035		$54.69
2012	May	11.1.022		$55.46
2012	May	10.1.011		$55.81
2012	May	11.1.041		$56.89
2012	May	11.1.010		$57.83
2012	May	11.1.051		$58.01

Payment Year	Month of Transfer	PV ID	Full Name	Payment Made
2012	May	11.1.036		$59.16
2012	May	10.1.007		$60.00
2012	May	11.1.002		$61.46
2012	May	11.1.018		$66.85
2012	May	11.1.039		$67.43
2012	May	11.1.024		$68.73
2012	May	11.1.014		$69.70
2012	May	10.1.010		$70.55
2012	May	11.1.047		$71.24
2012	May	11.1.050		$75.03
2012	May	11.1.057		$75.08
2012	May	11.1.013		$76.41
2012	May	11.1.001		$76.81
2012	May	11.1.038		$77.24
2012	May	11.1.020		$79.44
2012	May	11.1.026		$79.50
2012	May	11.1.011		$80.12
2012	May	11.1.048		$80.15
2012	May	11.1.030		$81.67
2012	May	11.1.059		$83.30
2012	May	11.1.046		$84.89
2012	May	11.1.019		$87.38
2012	May	11.1.021		$92.32
2012	May	10.1.017		$102.20
2012	May	11.1.055		$107.39
2012	May	11.1.037		$126.28
2012	May	11.1.044		$127.03
2012	May	10.1.003		$128.78
2012	May	11.1.016		$129.74
2012	May	11.1.012		$133.11
2012	May	11.1.007		$136.01
2012	May	11.1.003		$138.79
2012	May	11.1.027		$150.61
2012	May	11.1.040		$214.78
2012	May	11.1.053		$246.16
2012	May	11.1.025		$262.85
2012	May	11.1.052		$292.18
2012	May	10.1.001		$156.70
2012	May	10.1.002		$462.07
2012	May	10.1.003		$89.31
2012	May	10.1.004		$23.97
2012	May	10.1.005		$38.42
2012	May	10.1.006		$49.33

Payment Year	Month of Transfer	PV ID	Full Name	Payment Made
2012	May	10.1.007		$45.79
2012	May	10.1.008		$27.45
2012	May	10.1.010		$53.77
2012	May	10.1.011		$42.32
2012	May	10.1.012		$22.47
2012	May	10.1.013		$47.59
2012	May	10.1.017		$312.70
2012	May	10.1.018		$61.80
2012	May	10.1.019		$40.10
2012	May	10.1.021		$54.95
2012	May	10.1.022		$34.53
2012	May	11.1.001		$47.35
2012	May	11.1.002		$39.72
2012	May	11.1.003		$78.77
2012	May	11.1.004		$40.19
2012	May	11.1.005		$46.18
2012	May	11.1.006		$89.87
2012	May	11.1.007		$103.01
2012	May	11.1.009		$33.86
2012	May	11.1.010		$39.09
2012	May	11.1.011		$54.12
2012	May	11.1.012		$131.26
2012	May	11.1.013		$44.15
2012	May	11.1.014		$44.11
2012	May	11.1.015		$44.10
2012	May	11.1.016		$79.64
2012	May	11.1.017		$48.19
2012	May	11.1.018		$66.85
2012	May	11.1.019		$84.85
2012	May	11.1.020		$49.85
2012	May	11.1.023		$40.32
2012	May	11.1.024		$119.55
2012	May	11.1.025		$168.07
2012	May	11.1.026		$76.29
2012	May	11.1.027		$95.70
2012	May	11.1.028		$296.21
2012	May	11.1.029		$48.88
2012	May	11.1.030		$78.81
2012	May	11.1.031		$44.41
2012	May	11.1.032		$30.27
2012	May	11.1.033		$33.74
2012	May	11.1.034		$50.57
2012	May	11.1.035		$52.66

Payment Year	Month of Transfer	PV ID	Full Name	Payment Made
2012	May	11.1.036		$57.80
2012	May	11.1.037		$78.26
2012	May	11.1.038		$75.88
2012	May	11.1.039		$64.05
2012	May	11.1.040		$118.51
2012	May	11.1.041		$55.53
2012	May	11.1.042		$40.07
2012	May	11.1.043		$44.75
2012	May	11.1.044		$84.50
2012	May	11.1.045		$50.48
2012	May	11.1.046		$82.02
2012	May	11.1.047		$70.23
2012	May	11.1.048		$56.79
2012	May	11.1.050		$60.37
2012	May	11.1.051		$42.98
2012	May	11.1.052		$216.31
2012	May	11.1.053		$165.55
2012	May	11.1.054		$41.80
2012	May	11.1.055		$98.78
2012	May	11.1.056		$46.45
2012	May	11.1.057		$61.04
2012	May	11.1.059		$80.43
2012	May	12.1.001		$202.68
2012	May	12.1.002		$200.77
2012	May	12.1.003		$456.59
2012	May	12.1.004		$700.62
2012	May	12.1.005		$414.17
2012	May	12.1.006		$577.54
2012	May	12.1.007		$187.14
2012	May	12.1.009		$104.27
2012	May	12.1.010		$166.09
2012	May	12.1.011		$950.60
2012	May	12.1.012		$207.58
2012	May	12.1.013		$540.44
2012	May	12.1.015		$115.96
2012	May	12.1.016		$94.49
2012	May	12.1.017		$115.53
2012	May	12.1.018		$341.94
2012	May	12.1.019		$542.47
2012	May	12.1.020		$5,191.58
2012	May	12.1.022		$108.58
2012	May	12.1.024		$164.57
2012	May	12.1.025		$122.00

Payment Year	Month of Transfer	PV ID	Full Name	Payment Made
2012	May	12.1.026		$175.40
2012	May	12.1.028		$942.97
2012	May	12.1.029		$278.42
2012	May	12.1.030		$174.09
2012	May	12.1.032		$141.77
2012	May	12.1.033		$348.54
2012	May	12.1.034		$96.92
2012	May	12.1.036		$153.98
2012	May	12.1.037		$432.65
2012	May	12.1.038		$1,996.86
2012	May	12.1.039		$635.34
2012	May	12.1.040		$282.74
2012	May	12.1.041		$351.25
2012	May	12.1.042		$141.80
2012	May	12.1.043		$928.92
2012	May	12.1.044		$110.20
2012	May	12.1.045		$110.62
2012	May	12.1.046		$127.06
2012	May	12.1.047		$116.31
2012	May	12.1.050		$258.77
2012	May	12.1.051		$624.19
2012	May	12.1.023		$129.96
2012	May	12.1.053		$95.83
2012	May	12.1.014		$119.98
2012	May	12.1.027		$169.55
2012	May	12.1.052		$103.85
2012	May	12.1.049		$303.21
2012	May	12.1.021		$453.09
2012	May	12.1.048		$248.79
2012	May	12.1.008		$562.99
2012	May	12.1.035		$468.13
2012	May	12.1.031		$391.74
2012	May	10.1.016		$109.80
2012	May	10.1.016		$26.55
2012	May	10.1.002		$88.08
2012	May	10.1.006		$145.05
2012	May	10.1.018		$257.91
2012	June	11.1.021		$58.38
2012	June	11.1.022		$33.46
2012	August	10.1.001		$182.52
2012	August	10.1.002		$517.66
2012	August	10.1.003		$157.03
2012	August	10.1.004		$42.71

Payment Year	Month of Transfer	PV ID	Full Name	Payment Made
2012	August	10.1.005		$58.37
2012	August	10.1.006		$46.32
2012	August	10.1.007		$69.53
2012	August	10.1.008		$59.91
2012	August	10.1.009		$54.06
2012	August	10.1.010		$102.11
2012	August	10.1.011		$72.42
2012	August	10.1.012		$42.61
2012	August	10.1.013		$74.14
2012	August	10.1.015		$58.52
2012	August	10.1.016		$40.00
2012	August	10.1.017		$395.37
2012	August	10.1.018		$80.00
2012	August	10.1.019		$76.02
2012	August	10.1.020		$96.05
2012	August	10.1.021		$78.31
2012	August	10.1.022		$37.22
2012	August	11.1.001		$96.11
2012	August	11.1.002		$63.50
2012	August	11.1.003		$148.09
2012	August	11.1.004		$57.16
2012	August	11.1.005		$65.51
2012	August	11.1.006		$112.16
2012	August	11.1.007		$156.77
2012	August	11.1.009		$59.13
2012	August	11.1.010		$61.58
2012	August	11.1.011		$84.62
2012	August	11.1.012		$186.18
2012	August	11.1.013		$54.98
2012	August	11.1.014		$62.13
2012	August	11.1.015		$48.99
2012	August	11.1.016		$145.69
2012	August	11.1.017		$61.12
2012	August	11.1.018		$118.13
2012	August	11.1.019		$105.71
2012	August	11.1.020		$100.58
2012	August	11.1.021		$88.59
2012	August	11.1.022		$66.26
2012	August	11.1.023		$50.27
2012	August	11.1.024		$110.26
2012	August	11.1.025		$269.61
2012	August	11.1.026		$136.15
2012	August	11.1.027		$134.60

Payment Year	Month of Transfer	PV ID	Full Name	Payment Made
2012	August	11.1.028		$278.91
2012	August	11.1.029		$86.96
2012	August	11.1.030		$126.41
2012	August	11.1.031		$79.05
2012	August	11.1.032		$53.92
2012	August	11.1.033		$59.61
2012	August	11.1.034		$71.94
2012	August	11.1.035		$75.13
2012	August	11.1.036		$82.17
2012	August	11.1.037		$126.86
2012	August	11.1.038		$121.19
2012	August	11.1.039		$22.92
2012	August	11.1.040		$151.50
2012	August	11.1.041		$98.71
2012	August	11.1.042		$49.96
2012	August	11.1.043		$79.93
2012	August	11.1.044		$117.09
2012	August	11.1.045		$62.84
2012	August	11.1.046		$102.31
2012	August	11.1.047		$87.16
2012	August	11.1.048		$77.15
2012	August	11.1.050		$112.87
2012	August	11.1.051		$57.61
2012	August	11.1.052		$311.42
2012	August	11.1.053		$261.26
2012	August	11.1.054		$59.09
2012	August	11.1.055		$160.36
2012	August	11.1.056		$41.26
2012	August	11.1.057		$102.41
2012	August	11.1.058		$510.00
2012	August	11.1.059		$129.01
2012	August	12.1.001		$59.92
2012	August	12.1.003		$174.90
2012	August	12.1.004		$237.92
2012	August	12.1.005		$141.14
2012	August	12.1.006		$196.33
2012	August	12.1.007		$71.13
2012	August	12.1.008		$166.44
2012	August	12.1.009		$35.23
2012	August	12.1.010		$59.62
2012	August	12.1.011		$100.00
2012	August	12.1.012		$70.14
2012	August	12.1.013		$72.00

Payment Year	Month of Transfer	PV ID	Full Name	Payment Made
2012	August	12.1.014		$30.40
2012	August	12.1.015		$48.98
2012	August	12.1.016		$31.92
2012	August	12.1.017		$39.03
2012	August	12.1.018		$101.09
2012	August	12.1.019		$92.24
2012	August	12.1.020		$1,864.99
2012	August	12.1.021		$133.95
2012	August	12.1.022		$45.86
2012	August	12.1.023		$54.89
2012	August	12.1.024		$55.60
2012	August	12.1.025		$46.37
2012	August	12.1.026		$37.04
2012	August	12.1.027		$98.06
2012	August	12.1.028		$319.80
2012	August	12.1.029		$119.09
2012	August	12.1.030		$73.52
2012	August	12.1.031		$116.86
2012	August	12.1.032		$53.89
2012	August	12.1.033		$118.96
2012	August	12.1.034		$32.75
2012	August	12.1.035		$148.17
2012	August	12.1.036		$52.03
2012	August	12.1.037		$147.38
2012	August	12.1.038		$591.40
2012	August	12.1.039		$188.88
2012	August	12.1.040		$120.91
2012	August	12.1.041		$148.34
2012	August	12.1.042		$59.89
2012	August	12.1.043		$315.06
2012	August	12.1.044		$46.54
2012	August	12.1.045		$46.72
2012	August	12.1.046		$42.93
2012	August	12.1.047		$49.12
2012	August	12.1.048		$85.26
2012	August	12.1.049		$128.06
2012	August	12.1.050		$110.79
2012	August	12.1.051		$159.07
2012	August	12.1.052		$21.93
2012	August	12.1.053		$40.47
			2011 (second part)	$6,103.92
			2012	$51,933.17
			Payments (since last report)	**$58,037.09**

Payment Year	Month of Transfer	PV ID	Full Name	Payment Made
			Total payments (all years)	$65,465.85

Appendix 5: Losses incurred in 2012

The following table details losses in Taking Root's area carbon accounting in 2012. 2012 certificates were allocated to make up for these losses.

Table 13: Losses in 2012

PV Number	Full Name[5]	Cause of change / loss	Original Parcel Number	Tech Spec	Area planted ha eq.*	Area lost ha eq.*	Area remaining ha eq.*	Original tCO_2 of parcel	Lost tCO_2	Remaining tCO_2
10.1.016		2012 flood	10.1.016.10.1.02.99	Mixed Species	0.80	0.80	0	236	236	0
10.1.016		2012 flood	10.1.016.10.1.03.99	Mixed Species	1.67	1.67	0	494	494	0
10.1.002		2012 flood	10.1.002.10.1.01.99	Mixed Species	1.94	1.94	0	574	574	0
10.1.014		2012 flood	10.1.014.10.1.01.99	Mixed Species	1.58	1.58	0	468	468	0
10.1.014		2012 flood	10.1.014.10.1.01.99	Mixed Species	0.21	0.21	0	62	62	0
10.1.014		2012 flood	10.1.014.10.1.02.99	Mixed Species	0.26	0.26	0	77	77	0
10.1.014		2012 flood	10.1.014.10.1.03.99	Boundary Planting	1.03	1.03	0	250	250	0
10.1.008		Parcel moved and reduced on producer's request	10.1.008.10.1.01	Mixed Species	2.06	0.52	1.54	611	155	456
10.1.016		Partial loss in 2012 flood	10.1.016.10.1.01	Mixed Species	2.07	1.08	0.99	612	319	293
10.1.018		Partial loss in 2012 flood	10.1.018.10.1.01	Mixed Species	3.14	0.99	2.15	930	293	637
10.1.006		Partial loss in 2012	10.1.006.10.1.01	Mixed Species	1.40	0.62	0.78	415	184	231

[5] Due to data protection regulations, the names of participants have been removed from the public version of this document

		flood								
10.1.021		Partial loss in 2012 flood	10.1.021.10.1.01	Mixed Species	1.14	0.46	0.68	337	136	201
10.1.001		Removed on producer's request	10.1.001.11.1.02.99	Mixed Species	0.47	0.47	0	139	139	0
11.1.008		Producer left project	11.1.008.11.1.01.99	Mixed Species	1.22	1.22	0	361	361	0
11.1.049		Producer removed from project	11.1.049.11.1.01.99	Mixed Species	1.30	1.30	0	385	385	0
Other adjustments *				n/a	n/a	-0.39	n/a	n/a	-115	n/a
Totals						**13.75**	**6.14**		**4019**	

*Some small adjustments were made to the recorded size and composition of parcels planted in 2010 and 2011, coming to net addition of 0.31 hectares of reforested land. This was determined using more accurate GPS tracks, as opposed to the previous method of connecting GPS points. This system better reflects the parcel size and ensures farmers receive accurate ecosystem service payments. Future adjustments of this size will be more accurately noted and reported in future annual reports.