FOUNDATIONS FOR GROWTH

2017 - 2018 Plan Vivo Annual Report

CommuniTree Carbon Program

February 1st 2019

ENRACINE TAKING ROOT

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1. Report Summary

Table 1: Program summary

Project overview	
Reporting period	1 October 2017 – 30 September 2018
Technical specifications in use	Mixed Species Forest Plantation Silvopastoral Planting Shade Coffee Agroforestry
Geographical areas	Limay, Somoto, San Juan de Rio Coco (SJRC), Nicaragua
Areas under management	
Total areas put under management from 2018 vintage	360.38 ha eq
Total area lost from 2018 vintage	1.39 ha eq
New area allocated to 2018 Certificate issuance	358.99 ha eq
Total areas under management as reported in previous years	1,812.21 ha eq
Areas under management (program total)	**2,171.2 ha eq**
Smallholders with *plan vivos* and PES agreements	
Smallholders reported in last annual report	560
Smallholders with existing *plan vivos* adding new land since last report	26
New smallholders with PES agreements since last report	153
Total smallholders with PES agreements (2018 vintage)	179
Smallholders dropouts in 2018 from previous vintages	(0)
Total Smallholders with *plan vivos* and PES agreements (program total)	713
PES and community fund payments	
Total direct farmer payments through Sep. 30th	USD $1,517,737
Other payments to community	USD $392,569
Community Fund held in trust for future payments*	
Payments to community fund (program total)*	
Plan Vivo Certificates and saleable tCO_2	
Total certificates generated from this year's planting activities (gross)	125,355
Risk buffer deduction (15%)	-18,803
Certificates from 2018 vintage allocated to losses from previous years	-0
Submission for Certificate Issuance for new areas (2018 vintage saleable)	**106,552**
Historical allocation to Plan Vivo buffer	97,779
Total Allocation to Plan Vivo buffer (program total)	116,582
Historical Plan Vivo Certificate issuance	550,565
Plan Vivo Certificates issued to date (program total)	**657,117**

*This information is used for internal reporting purposes and has been removed upon request from the public version. Please contact Taking Root directly for any related queries.

2. Project Updates

Foundations for growth

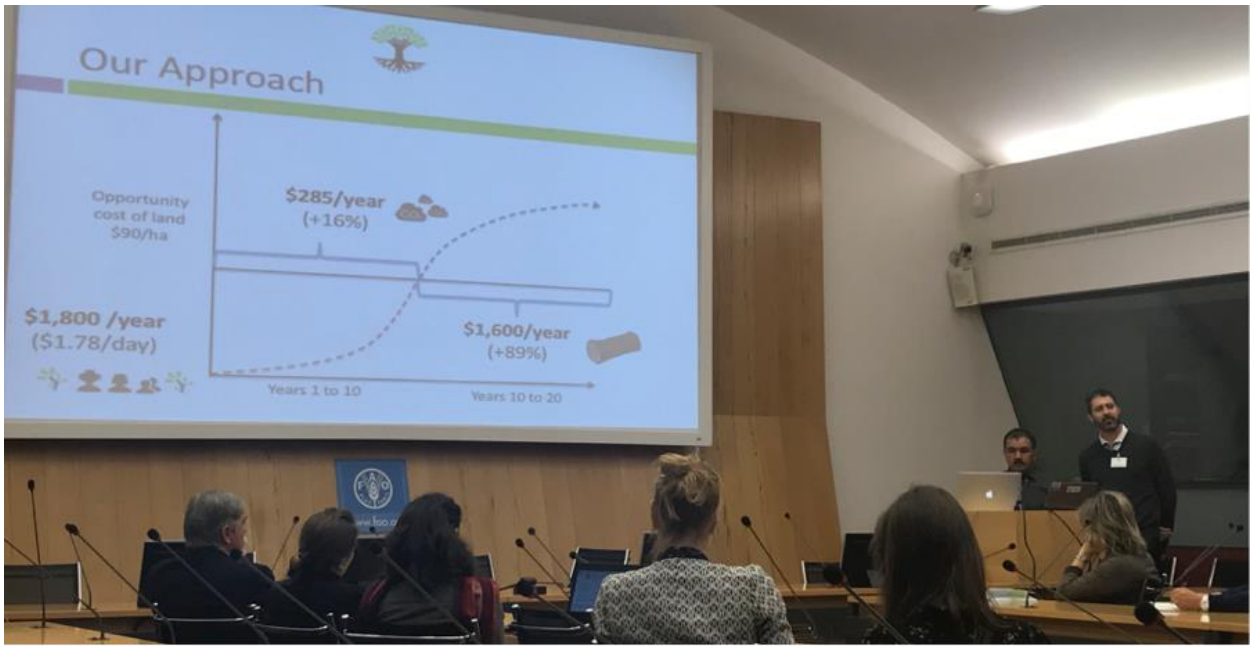
After the success of 2017 and wide-reaching publicity received by Taking Root, 2018 was focused on building the foundations to substantially expand the CommuniTree Carbon Program in the years to come. Throughout the organization, we have invested in building new systems, processes and partnerships to increase the capacity and transparency our projects. In the face of political instability and disturbances in Nicaragua throughout the year, our program continues to go from strength to strength, demonstrating the resilience and value our projects provide for smallholder farmers.

In 2018 we are delighted to be working with 62 new communities, welcoming 153 new smallholder farmers into the CommuniTree program, creating far-reaching impacts. This year saw an unprecedented number of 3,612 jobs created and 420 hectares (ha) of land reforested. Particular organizational highlights for the year include presenting Taking Root's model at the UN, Taking Root's founders being honoured by the Governor General of Canada, launching Taking Root's new website and breaking new ground for our project reporting and management capabilities.

We are extremely excited for the year ahead and the opportunity to significantly expand the reach and impact of the CommuniTree program in 2019.

Key events

Taking Root presents reforestation model to the UN



In March 2018, Taking Root's Canadian and Nicaraguan directors presented Taking Root's smallholder reforestation model by special invitation at the United Nation's Food and Agriculture Organization (FAO) in Rome. The FAO was particularly interested in Taking Root's experience in Nicaragua implementing climate-smart agroforestry practices that generate millions of dollars of income for farmers in a region where most people are living on less than US $2 per day. This is because the FAO has committed hundreds of millions of dollars to the design of climate change related strategies. Yet, there is still a huge gap in channelling funds to smallholder farmers.

Of particular interest to participants at the FAO, is how Taking Root makes sophisticated data-driven procedures simple enough to be used by smallholder organizations. Accounting for the amount of carbon sequestered on smallholders' farms with a credible level of accuracy is indispensible for the legitimacy of climate smart agroforestry. However, in the absence of tools such as those developed by Taking Root, the lion's share of funding usually goes to expensive consultants instead of going to smallholder farmers.

The selection of Taking Root to present and share its approach with the FAO recognises CommuniTree as a best-in-class project in its field. We are looking forward to building our relationship and continuing to share our knowledge and experiences with the UN into the future.

https://takingroot.org/2018/03/presenting-taking-roots-model-to-the-un/

Governor General of Canada honours Taking Root co-founders

In a private ceremony on 5 November 2018 at Rideau Hall, in Ottawa, the four co-founders of Taking Root were

presented with the Meritorious Service Cross from the Right Honourable Julie Payette, the Governor General of Canada.

The Meritorious Service Cross (Civil Division) enables the Governor General, on behalf of Her Majesty The Queen and all Canadians, to recognize individuals that have performed exceptional accomplishments that set an example for others to follow while bringing honour to a community and to Canada as a whole.

The four co-founders, Kahlil Baker, Samuel Gervais, Laura Howard and Brooke van Mossel-Forrester, were nominated to receive the award in recognition of their innovative work fighting climate change and poverty. They were recognized alongside 36 other Canadians — from community volunteers to scientists, from actors to members of the military, from scholars to everyday citizens.

We are honoured to have been awarded this recognition. Having established Taking Root in 2007 we set out to create a successful reforestation model that addresses the root cause of deforestation, tackling climate change and poverty simultaneously. We have proved it's possible and achieved a lot but there is so much more we want and need to do. Having spent the first 10 years establishing our project and honing our approach we are extremely excited about the potential impact we can create in the next 10 years.

Key developments

Integrating satellite imagery for new project insights and transparency

2018 saw the successful completion of a pilot project to integrate satellite imagery to enhance the management of Taking Root's reforestation projects for greater impact. One of the challenges of developing projects in remote regions of developing countries is distributing resources and support as effectively as possible. Gathering and reporting on data to understand the effect of different CommuniTree project activities and approaches is incredibly valuable to target resources better and increase farmers' sucess. However, historically it has been prohibitively expensive to create these insights.

To tackle this problem we teamed up with Pello Múgica Gonzalez, a data scientist from Belgium. Using our proprietary software, FARM-TRACE, we developed a mobile app that allowed our extension agents to easily record their activities every time they visited a farmer. Each visit was automatically verified by matching the time and location of the visit through the agent's phone GPS and clock with our record of farm location, confirming that the visit really took place.

Pello collected and analyzed satellite images of very farm within the Taking Root program starting from the moment Taking Root's extension agents started recording their visits. Satellite data provides more than just imagery because the sensors capture other wavelengths' (e.g. infrared and near-infrared) that are not visible to the human eye. These wavelengths allowed Pello to detect which plots contained healthy vegetation, classify the different types of landcover and see the farms' performance over time.

Using the information collected by the extension agents he started looking for patterns in farms' performance related to Taking Root activities such as the number of visits each farmer received, the specific agent who visited them, and the type of training delivered. After analyzing the data, he found that the timing, the type of training and the person doing the training all helped explain the different farm outcomes they could observe from outer space.

Using these insights, the team in Nicaragua is now able to target the support they provide farmers more effectively helping to improve farmers' yields. The CommuniTree extension agents receive alerts for farms which are at risk of

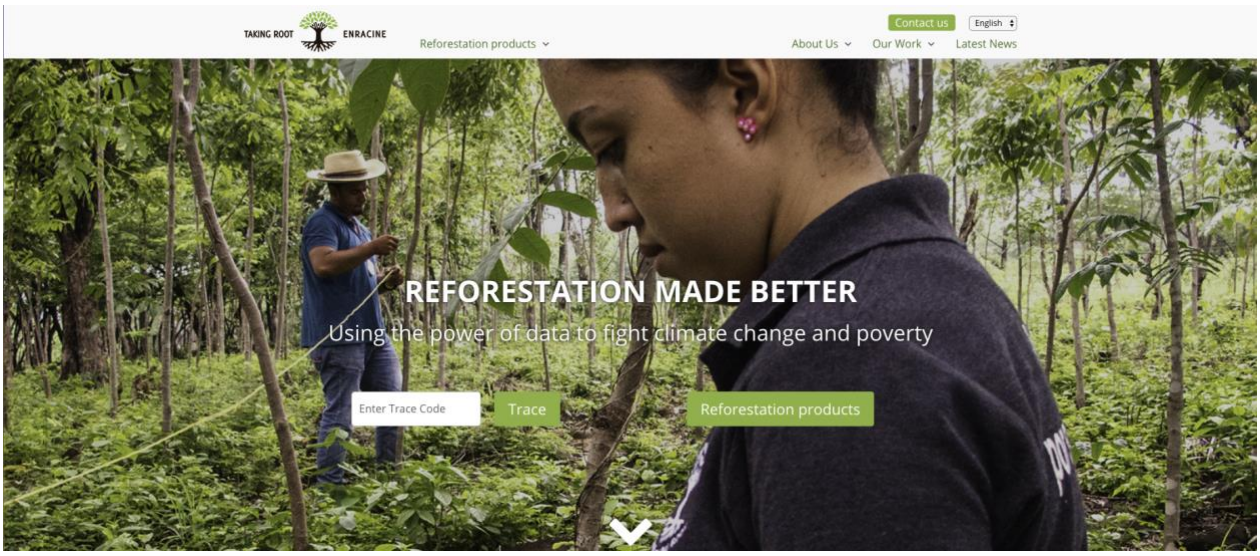
underperforming and may need assistance to ensure their trees remain healthy. The agents can then make decisions of which farms to visit and how they can help to increase the farmers' success.

Having successfully completed the pilot we are now implementing the solution throughout the CommuniTree program. The beauty of the technology means that as we gather more data the more accurate we can be in predicting and fixing problems before they even arise continuously improving our project's impact.

https://takingroot.org/2018/10/advice-from-outer-space-on-how-to-grow-trees/

Organizational developments

Taking Root launches new website



In February 2018, Taking Root launched its new website helping to expand the Taking Root brand and provide unparalleled tracability for its reforestation projects.

It's about our data-driven decision-making approach. Taking Root has always taken a scientific approach, but our previous website mostly emphasized our cause, growing trees with farmers. Yet, we believe that our greatest ability to affect and inspire change is by sharing and emphasizing our rigorous approach with others. Through this new emphasis on our data-driven decision-making approach, we can get the greatest impact out of every dollar and every hour dedicated to growing trees with farmers.

It's about multiple values, not just carbon. Deforestation is caused by people's pursuit of better economic opportunities, which is why our approach is based on creating economic opportunities for farmers to grow trees. In Taking Root's early days, these opportunities were based on paying farmers for carbon that their trees pull out of the atmosphere. Now, almost a decade later, these trees are maturing and providing new values like coffee grown in the shade of the newly planted forests and woodcrafts made from sustainably harvest trees. Our new website this emphasizes carbon while recognizing these additional values.

It's all about traceability. Even wondered what happens when you grow a tree or reduce your carbon footprint with Taking Root? And what about woodcrafts and coffee? Over the next while, we'll be adding trace codes to all of our tree planting certificates, carbon offset certificates, and woodcrafts so that you can meet the farmers and even see how the trees are doing. Just enter that trace code on our website to start that journey.

See our new website here: www.takingroot.org

Taking Root welcomes new board members

Taking Root is a truly internatinaol organization with clients and partner all over the world, a small central office in Canada and a large team on the ground in Nicaragua. Taking Root's board plays an integral role in helping Taking

Root deliver extraordinary impact by providing strategic guidance to the organization and supporting the continued delivery and expansion of our quality reforestation projects. We are excited to welcome two new board members with exceptional experience and expertise to support Taking Root over the next few years.

Andrea Sabelli: Director, International Development Advisor

Andrea is a Supply Chain Investment Project Coordinator at Lush Cosmetics North America. Working across several regions, she is developing and managing regenerative agriculture projects that will produce traceable and ethical raw materials for Lush's supply chain and connect farmers to markets. Before joining Lush, Andrea worked for multilateral agencies and international organizations across Latin America and Africa on using policy and market mechanisms to develop solutions to climate change adaptation, corporate sustainability and smallholder farmer's access to financing. Andrea joined Taking Root to help the development of Taking Root's forestry products.

Simon Leblond: Director, Business Advisor

Simon Leblond is an global executive and entrepreneur with a diverse background in high-tech, economics and real-estate. He has helped launch three companies, has brought a number of technologies to market, and has worked for Schneider Electric, a Fortune 500 company. Within Schneider Electric, Simon has been based out of North America and Europe, leading global teams in marketing, strategy and business development. He has joined Taking Root to help guide the expansion of the organization.

Key challenges

Political instability in Nicaragua

With the rise of political instability in Nicaragua in 2018, Taking Root's reforestation program has provided much needed stability and resilience for the thousands of Nicaraguans employed and impacted by the program. Throughout the year there were public protests across the country against Nicaragua's president, Daniel Ortega. Police and military interventions representing the incumbent government led to the deaths of 322 people and 565 placed in jail. While cities have been in upheaval, farmers have been planting and looking after their trees along with the year's harvest of corn and beans. In general daily life in the rural areas where we work have been tranquil and Taking Root activities have continued as usual.

The big change is not the operation of the reforestation program but rather how it has become one of the only organizations in the region that has remained opened and fully operational. A thousand people are employed working in the tree nurseries and planting trees. The woodshop employs another 12 people and 25 technicians are employed to support the 700+ families that are receiving regular payments for the growth of their trees. With so many closures and layoffs, the program is the largest employer in the region.

The importance of this stability and the payments it provides cannot be underestimated. With so few alternatives to earning a livelihood, this funding is critical for many people in the regions we operate. But beyond the money, people feel hopeful that the international community has not forgotten about them.

"Planting a tree is a long-term investment that shows that we believe in the future. When people from outside Nicaragua support our work, it shows us that they also believe in us and that we are not forgotten. I am incredibly grateful for this, especially in these difficult times."

Elsa Gonzales, the lead community technician of Taking Root's reforestation program in Nicaragua.

"We feel deeply involved in the development of our reforestation program and our country. Throughout these difficult times, I believe that it is important to continue our commitment to every family that we work with to develop short term solutions with long-term potential. This is only possible by working together in solidarity with the international community."

Elvin Castellon, Chief of Nicaraguan Operations

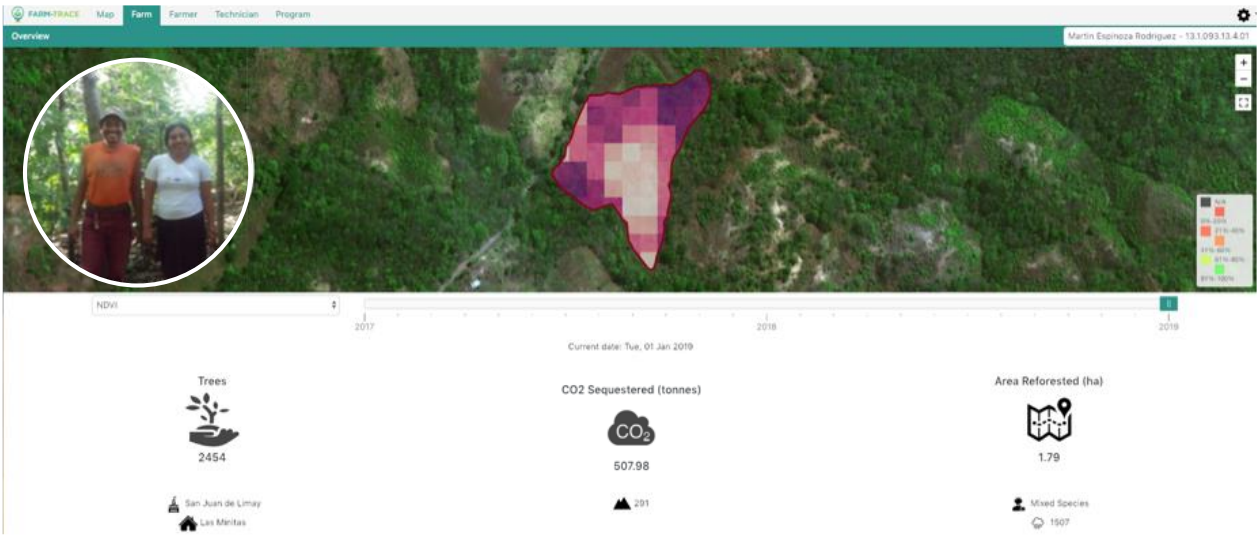
As an organization we will continue to monitor the situation and take steps which continue to support and build the resilience of our farmers.

https://takingroot.org/2018/06/political-crisis-in-nicaragua-why-reforestation-is-now-more-important-than-ever/

https://takingroot.org/2018/04/update-political-turmoil-in-nicaragua/

Future developments

FARM-TRACE: Trust and transparency



Reforestation on a massive scale is essential if we are to prevent catastrophic climate change. However, one of the reasons people are reluctant to fund reforestation initatives is the fear that their money isn't being used effectively. Reforestation projects are often located in remote regions of the world across multiple smallholder farms developed over long time periods making it incredibly difficult to show funders the impact of their investments over time.

Seeing is believing, so we will be launching a new version of our FARM-TRACE product in 2019 to meet this challenge. The new version will provide an unparalleled level of transparency never previously possible, building trust and confidence in our smallholder reforestation projects. Funders will be able to track the progress of their reforestation investments in near real-time with insights into the impacts of their projects to date such as changes in forest cover and carbon sequestered. Funders can make this information instantly available to their stakeholders providing a new way for people to interact and follow the projects they support.

The information provided by FARM-TRACE not only provides a new level of transparency but also accuracy. Every time a satellite passes over a farm involved in our reforestation project, an image will be taken of the farm's land. Traditionally, holistic project assessments were made through the monitoring of sample sites. The new approach provides information into every area of land, giving a complete and accurate overview of each farm and the project as a whole. This information is collected and reported independently, validating on the ground monitoring and ensuring what is reported is true.

Beyond improving trust and transparency, the new version will helps us improve project outcomes and reduce costs. That means more carbon sequestered for the same amount of money. Using the new insights, the team will be able to identify and react to problems early, increasing farmers' success. Costs will be reduced because the Nicaraguan team will be able to automate previously time-consuming monitoring and reporting activities, spending more time on high impact and value added support for farmers.

This product release make it increasingly simple to set up and manage smallholder reforestation programs and to connect funders and investors to their projects, helping to rapidly scale our work and its impact in the years to come

Changes to project documentation since last annual report

No technical specifications have been added of modified since the 2016 Annual Report. Taking Root continues to focus on its existing afforestation types: silvopastoral planting, boundary planting, mixed species forest plantation, and coffee agroforestry.

3. Activities, Total Program Size, and Participation

Current land-use activities

Taking Root continues to implement the Mixed Species Forest Plantation, Silvopastoral Planting and the new Coffee Agroforestry technical specifications. All technical specifications can be downloaded via the Plan Vivo website: http://www.planvivo.org/project-network/communitree-nicaragua/

Mixed Species Forest Plantation

Land-use activities for 2018 vintage focused mainly on the Mixed Species Forest Plantation. This technical specification involves planting and intensively managing multi-purpose mixed species forest plantations on participating smallholders' land. All of the species selected are native to the region and are chosen in consultation with local smallholder groups and professional foresters.

Silvopastoral Planting

The Silvopastoral Planting 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 and forage for the farmers and their cattle. The short rotation nitrogen-fixing species are harvested at a young age, providing building posts while fertilizing the soil. Silvopastoral Planting sequesters carbon dioxide, provides ecosystem services in the short run, and sustainably produced, highly prized timber in the long run. Additionally, the system helps improve the pasture below the trees and adds biomass to the soil. This technical specification was added in 2012.

Coffee Agroforestry

The Coffee Agroforestry technical specification is the newest of Taking Root's reforestation technologies introduced in 2016. It is designed to help smallholders adapt to climate change by establishing new high-yielding rust resistant coffee agroforestry systems at higher elevations in order to improve smallholders' income while mitigating climate change. Financial incentives in the form of payments for ecosystem services incentivize the establishment of new coffee agroforestry systems at incrementally higher elevations where temperatures are cooler and therefore less susceptible to rust attacks. Furthermore, we are introducing new high quality, rust resistant coffee varieties and providing technical training in the region.

Total participation and program size

Table 2: Summary of new participation and program size to date (2018 vintages)

Participants		
Total smallholders with registered PES agreements		179 smallholders
Total area reforested (ha)		420
Technical specifications used	**Area covered**	**Equivalent hectares**
Silvopastoral Planting (ha)	14	8.91
Mixed Species Forest Plantation (ha)	222	223.43
Coffee Agroforestry (ha)	186	126.65
Total	**420**	**358.99**

4. Submission for Plan Vivo Certificate Issuance

Recruitment of new smallholders

Community technicians successfully recruited 179 new participants from 62 new communities to meet current demand for Plan Vivo Certificates, bringing the total of participating communities in our entire program across all vintages to 181, listed below:

1	Aguas Calientes	48	El Limon (Somoto)	95	Las Chacaras	142	Rio Arriba
2	America	49	El Limon (Yalaguina)	96	Las Delicias del	143	Rito Abajo
3	Arado Quemado	50	El Melonar	97	Las Garcias	144	Rodeito
4	Bado Hondo	51	El Naranjo	98	Las Minitas	145	Sabana Grande
5	Balsamo Abajo	52	El Ojochal	99	Las Nubes	146	Salto del Tigre Susucayan
6	Balsamo Arriba	53	El Ojoche	100	Las Papayas	147	Samarkanda
7	Balsamo Centro	54	El Ojochito	101	Las Pintadas	148	San Antonio
8	Balsamo Vista	55	El Palmar	102	Las Positas	149	San Antonio Abajo
9	Beunos Aires de Santa	56	El Pegador	103	Las Sabanas	150	San Antonio Arriba
10	Cacahuatal	57	El Pegon	104	Las Tablas	151	San Antonio Las Nubes
11	Cacauli	58	El Pernal	105	Las Vegas	152	San Bartolo Yalaguina
12	Cachuatal	59	El Plan	106	Las Ventanas	153	San Francisco
13	Cantil de las Canas	60	El Portillo	107	Las Veredas	154	San Jose
14	Carrizos	61	El Regen	108	Lomochata	155	San Jose de Palmira
15	Casa de Piedra	62	El Rodeo	109	Los Arados	156	San Jose Del Ojoche
16	Casco Urbano (Las)	63	El Socorro	110	Los Atillos	157	San Juan de Somoto
17	Casco Urbano (Limay)	64	El Tamarindo	111	Los Cedros	158	San Lorenzo
18	Casco Urbano (Somoto)	65	El Terrero	112	Los Chapetones	159	San Lucas
19	Cayantu	66	El Tunal	113	Los Colorados	160	San Luis
20	Cerro Blanco Abajo	67	El Varillal	114	Los Copales	161	San Pedro
21	Comayagua	68	El Yaraje	115	Los Encuentros	162	Santa Ana
22	Cuatro Esquinas	69	El Zapote - Somoto	116	Los Mangos	163	Santa Domingo
23	Cusmaji	70	El Zungano - Quilali	117	Los Pinares	164	Santa Rita
24	Cuyali	71	Guanacastillo	118	Los Ranchos	165	Santa Rosa
25	Delcias de Canton	72	Guasuyuca	119	Los Tablones	166	Santa Teresa
26	Diamante	73	Hermanos Martinez	120	Mala Ladera	167	Santana
27	Ducuali	74	Icalupe	121	Mateare	168	Sonis
28	El Achote	75	Jocomico	122	Mateares	169	Tierras Coloradas
29	El Balcon	76	La Bugona	123	Morcillo	170	Tiosintal
30	El Cacao - Quilali	77	La Carbonera	124	Motuse	171	Totogalpa
31	El Calero	78	La Ceibita	125	Musuli	172	Tranquera
32	El Capulin	79	La Flor	126	Nueva Esperanza	173	Varillal Ariba
33	El Carmen	80	La Florida	127	Ocotillo	174	Varillal San Pablo
34	El Carrizal	81	La Garcia	128	Oruce	175	Ventina Balsamo Abajo
35	El Cascabel	82	La Grecia	129	Palacaguina	176	Verapaz
36	El Castillito	83	La Ilusion	130	Palo Blanco	177	Victorina
37	El Chiquirin	84	La Loma	131	Parsila	178	Yalaguina
38	El Citrico	85	La Luz - Quilali	132	Paso Real	179	Zapotillo
39	El Erbedero	86	La Majada	133	Patio Grande	180	Zona 1
40	El Garcero	87	La Naranja	134	Peteres	181	Zona 6
41	El Guanacaston	88	La Palma	135	Platanares		
42	El Guayabo	89	La Playa	136	Platanares		
43	El Guaylo	90	La Presa	137	Plazuela		
44	El Iguaje	91	La Providencia	138	Providencia		
45	El Jacote	92	Las Brisas	139	Quebrada de Agua		
46	El Lechon	93	Las Canarias	140	Quebrada Grande		
47	El Limon (Limay)	94	Las Canas	141	Quebrada Onda		

Land changes

In 2018, 0 net ha eq. from previous years were lost from previous vintages. 1.39 ha eq were lost from the area of land put under management in 2018.

Program sales and allocations

The following table summarizes the sale of CO_2 for the 2018 Vintage.

Table 3: Program CO_2 sales and allocations for the 2018 vintage

Total volume of CO_2 forward sold	86,801 tCO_2
Total sales for 2018 vintage	
Average certificate price	
% of sale price to community fund	60%
Price to community fund per offset	
Increase to community fund from this year's vintage	
Number of smallholders allocated to buyers	179
Total area represented by certificates requested	358.99 ha eq.
Technical specifications applied	Mixed Species Forest Plantation Silvopastoral Planting Coffee Agroforestry

Carbon sales

The following table summarizes the distribution of Plan Vivo Certificates sold in this vintage at September 31st 2018. For a detailed list of carbon sales to date, see Appendix 3.

Table 4: Summary of carbon sales for vintage 2018

Vintage	Name of purchaser	Certificates	Price/certificate (USD)	Total received
2018	Prima Klima	18,000		
2018	ECODES/CeroCO2	3,000		
2018	Myclimate	30,000		
2018	Myclimate	10,000		
2018	Zero Mission	3,025		
2018	Zero Mission	19,807		
2018	COTAP	2,041		
2018	Taking Root retail	928		
2018	Unsold	19,570		
2018	Allocated adjusting for past years	181		
2018	**Total**	**106,552**		

5. Monitoring Results

Summary of 2018 results for new 2018 *plan vivos*

Table 5 below is a summary of monitoring results for new plan vivos added in 2018. Complete details of the monitoring can be found in Appendix 4, which can be requested as a separate PDF document.

Table 5: Summary of 2018 monitoring results for 2018 *plan vivos*

Vintage	2018
Area of land meeting monitoring targets (ha eq.)	299.54
Area monitored (ha eq.)	310.12
Percentage of monitored land meeting monitoring targets	97%

Summary of 2018 results for previous *plan vivos*

Table 6 below provides a summary of the 2018 monitoring results for farms planted between 2010-2017. Complete details of the monitoring can be found in Appendix 4, which can be requested as a separate PDF document.

Table 6: Summary of 2017 monitoring results for continuing 2010-2017 *plan vivos*

Vintage	2010-2017
Area of land meeting all monitoring targets (ha eq.)	37.08
Area monitored (ha eq.)	37.08
Percentage of land meeting monitoring targets	100%

Interpretation of results

Years of improved management systems and staff training have resulted in very high monitoring success rates. However, as the program adds areas of land to be reforested every year, the cumulative total area of land to be monitored annually (i.e. farms added between 2010 and 2018) increases. To handle the increased area requiring monitoring we are in the process of automating data collection from on the ground monitoring and integrating satellite imagery into Farm-Trace. This satellite imagery will be a compliment to existing on the ground monitoring activities, improving the quality and coverage of monitoring while allowing us to scale the area we monitor at a low cost. We expect this new functionality to be integrated into next year's programme and annual report so that all farms within the programme will be monitored throughout the year.

For 2018, we were still transitioning to this new process of reporting. This meant that due to the increasing area of land which required monitoring for 2018, the monitoring teams were unable to officially report on most of the farms growing previous years' vintages. However, these farms were still regularly monitored throughout the year ensuring they met required success rates. Our CommuniTree technicians visit farms once a month to oversee the proper development of the trees, support farmers and inspect growth rates.

It should also be noted that some of the monitoring results for 2018 farms were lossed during the synchronization process between a 3rd party application used on mobile phones and Farm-Trace resulting in incomplete coverage. This problem is expected to be resolved by the year as we launch our custom Farm-Trace mobile application.

Socio-economic and environmental impacts

The following table displays some of the key socio-economic and environmental impacts of the CommuniTree project during this year. The data is collected from Taking Root's Farm-Trace software.

Table 7: Socio-economic and environmental impacts in 2018

Social impact: Program Participants	
Participating new communities	62
Participating new smallholder families	153
Total participating smallholder families	**713**
Social impact: Employment Created	
Number landless farmers employed	2,934
Number of landowners employed	649
Total seasonal employment	3,583
Permanent positions	29
Total employment created	**3,612**
Social impact: Capacity development	
Community workshops & trainings	10,283
Total session attendance	13,801
Environmental impact: Trees planted	
Mixed species forest plantations	367,110
Silvopastoral plantations	5,505
Coffee Agroforestry	649,484*
Total trees planted	1,022,098
Number of unique tree species recorded	124

*includes coffee trees

6. PES Update

Total payments for ecosystem services made

Table 8 below provides a summary of the payments for ecosystem services (PES) made to date for all current participating producers. These figures have been updated since the previous report to reflect the fourth quarter of 2017. Furthermore, this table now aggregates what was termed "Advance Payments" in previous annual reports.

Table 8: PES summary – direct farmer payments

Payment year	PES paid (USD)
2010	$5,019.37
2011	$28,202.49
2012	$97,289.83
2013	$121,694.42
2014	$123,505.33
2015	$178,911.53
2016	$309,174.00
2017	$372,811.19
2018 (1 Jan – 30 Sept)	$281,128.79
TOTAL	$1,517,736.96

Additional payments to the community

Other costs covered by the community fund to date include nursery expenses and occasionally grafted fruit trees and fuel-efficient cookstoves.

Table 9: Other payments to the community to date

Vintage (calendar year)	Additional payments (USD)
2010	n/a
2011	$14,220.82
2012	$33,288.19
2013	$44,290.74
2014	$52,616.07
2015	$50,870.15
2016	$113,955.09
2017	$41,607.88
2018 (1 Jan 30 Sept)	$41,719.68
TOTAL	$392,568.62

7. Ongoing Community Participation

Taking Root continues to build community participation through existing methods and continuous experiments in the development of new methods. The existing methods used throughout the year include planting manuals, community consultations, community-led training and radio announcements.

Furthermore, Taking Root uses the following methods to promote community participation:

Technician training: the aim is to help technicians better inform the community. Training covers key points such as program financing and the link between the program and climate change. Smallholders are later asked to answer to test the effectiveness of the training and evaluate the success of each technician's communications.

Producer exchange workshops: smallholders joining the program in 2018 were invited to visit farmers who had joined in previous years to learn from their peers.

Community education workshops: Taking Root staff regularly host information sessions to explain the various activities taking place throughout the year. Workshop themes included pruning and clearing around trees, information on the local environmental laws, and more. The information sessions usually involve a component of learning by doing.

Presenting the local forest law: the CommuniTree Program has continued holding community workshops specifically on the local forest laws. This approach makes these often complex laws much more tangible for farmers.

Program outreach: this year we introduced radio advertisements to increase the exposure of the project to new communities and farmers.

A CommuniTree workshop in action

8. Breakdown of Organizational Costs

Organizational expenses and revenue

The following table provides an overview of all organizational and operational expenses and revenue in Canadian Dollars from 1 October 2016 – 30 September 2018. These figures include both Canadian and Nicaraguan finances. It should be noted that this 12-month period overstates the net revenue because it does not include end-of-year adjustments for 2018.

Table 10: Organizational expenses and revenue in CAD for reporting period

Reporting Period	**1 Oct. 2017– 30 Sept. 2018**
Revenue	
Carbon offset sales	
Consulting and other services	
Operations revenue (e.g. wood shop)	
Grants and donations	
Total revenue	
Expenses	
Human resources	
Tax adjustments	
Transport and travel	
Administration costs	
Cost of sales	
Wood shop	
Operational Costs	
Financial fees and exchange rate loss and gains	
Total expenses	
Net income	

9. Appendix 1: Equivalent Hectare Calculation

"Equivalent hectares" involves using the tonnes CO_2 sequestered per hectare of the original Mixed Species Forest Plantation technical specification as the base unit to compare the other specifications. The following table explains the equivalents per specification compared to the base unit.

Table 11: Equivalent hectares per technical specifications

Technical specification	Saleable tCO_2 sequestered per unit	Equivalent hectares per tonnage
Mixed Species Forest Plantation (original)	296.3 tCO_2/ha	1 ha = 1 ha eq.
Boundary Planting (original)	243.0 tCO_2/km	1 km = 0.8201 ha eq.
Mixed Species Forest Plantation	299.7 tCO_2/ha	1 ha = 1.0115 ha eq.
Boundary Planting	214.8 tCO_2/km	1 km = 0.7249 ha eq.
Silvopastoral	191.9 tCO_2/ha	1 ha = 0.6477 ha eq.
Coffee Agroforestry	203.23 tCO_2/ha	1 km = 0.6825 ha eq.

Appendix 2: Land changes in 2018

Table 12: Land added in 2018 listed by parcel

Parcel ID	Planting year	Tech Spec	Area	Units	Buffer	Sellable CO_2
16.2.1a1.18.3.01	2018	Silvopastoral	3.77	ha	127.82	724
2.1a1.18.3.02	2018	Silvopastoral	9.99	ha	338.25	1,917
.18..fd	2018	Mixed Species	1.30	ha	68.72	389
.18.4.01	2018	Mixed Species	1.79	ha	94.41	535
.19..0b	2018	Mixed Species	9.19	ha	486.05	2,754
13.1.025.18.4.01	2018	Mixed Species	1.41	ha	74.67	423
13.1.037.18.4.01	2018	Mixed Species	0.52	ha	27.25	154
14.1.037.18.4.01	2018	Mixed Species	1.54	ha	81.47	462
14.2.001.18..30	2018	Mixed Species	18.74	ha	991.36	5,618
14.2.00e.19.4.01	2018	Mixed Species	4.25	ha	224.96	1,275
15.2.001.18.4.01	2018	Mixed Species	0.96	ha	50.79	288
15.2.018.18.4.01	2018	Mixed Species	7.27	ha	384.67	2,180
15.2.1bd.18.4.01	2018	Mixed Species	6.72	ha	355.47	2,014
16.2.19c.18.4.01	2018	Mixed Species	1.27	ha	67.10	380
16.2.19f.18.4.01	2018	Mixed Species	1.63	ha	86.13	488
16.2.1a0.18.4.02	2018	Mixed Species	1.75	ha	92.60	525
16.2.1a1.18.4.01	2018	Mixed Species	1.80	ha	94.96	538
16.2.1a2.18.4.01	2018	Mixed Species	1.47	ha	77.74	441
16.2.1a5.18.4.01	2018	Mixed Species	1.21	ha	64.08	363

Parcel ID	Planting year	Tech Spec	Area	Units	Buffer	Sellable CO_2
16.2.1a6.18.4.01	2018	Mixed Species	3.48	ha	183.85	1,042
16.2.f27.18.4.01	2018	Mixed Species	2.00	ha	105.80	600
17.1.016.18.4.01	2018	Mixed Species	0.16	ha	8.65	49
17.1.018.18.4.01	2018	Mixed Species	1.43	ha	75.56	428
17.2.019.18.4.01	2018	Mixed Species	2.33	ha	123.14	698
17.2.01f.18.4.01	2018	Mixed Species	0.54	ha	28.31	160
17.2.0d3.18.4.01	2018	Mixed Species	1.69	ha	89.23	506
17.2.0d6.18.4.01	2018	Mixed Species	1.42	ha	74.85	424
17.2.0d8.18.4.01	2018	Mixed Species	2.34	ha	123.55	700
17.2.0dc.18.4.01	2018	Mixed Species	3.67	ha	194.11	1,100
17.2.0de.18.4.01	2018	Mixed Species	3.92	ha	207.51	1,176
17.4.004.17.4.02	2018	Mixed Species	1.88	ha	99.59	564
17.4.005.18.4.01	2018	Mixed Species	1.99	ha	105.06	595
17.4.007.18.4.01	2018	Mixed Species	2.30	ha	121.58	689
18.1.004.18.4.01	2018	Mixed Species	2.35	ha	124.17	704
18.1.004.18.4.02	2018	Mixed Species	7.03	ha	371.79	2,107
18.1.00d.18.4.02	2018	Mixed Species	1.50	ha	79.28	449
18.1.00f.18.4.02	2018	Mixed Species	0.65	ha	34.22	194
18.1.00f.18.4.03	2018	Mixed Species	0.96	ha	50.91	288
18.1.010.18.4.01	2018	Mixed Species	1.35	ha	71.19	403
18.2.002.18.4.01	2018	Mixed Species	2.13	ha	112.60	638
18.2.003.16.4.01	2018	Mixed Species	2.61	ha	137.93	782

Parcel ID	Planting year	Tech Spec	Area	Units	Buffer	Sellable CO_2
18.2.00c.18.4.01	2018	Mixed Species	2.11	ha	111.77	633
18.2.00c.18.4.02	2018	Mixed Species	1.44	ha	76.27	432
18.2.00f.18.4.01	2018	Mixed Species	3.64	ha	192.35	1,090
18.2.010.18.4.01	2018	Mixed Species	2.27	ha	120.15	681
18.2.010.18.4.02	2018	Mixed Species	1.52	ha	80.55	456
18.2.012.18.4.01	2018	Mixed Species	1.31	ha	69.48	394
18.2.015.18.4.01	2018	Mixed Species	5.30	ha	280.08	1,587
18.2.017.18.4.01	2018	Mixed Species	1.05	ha	55.30	313
18.2.01b.18.4.01	2018	Mixed Species	2.49	ha	131.72	746
18.2.020.18.4.01	2018	Mixed Species	1.87	ha	98.65	559
18.2.021.18.4.01	2018	Mixed Species	2.22	ha	117.29	665
18.2.022.18.4.02	2018	Mixed Species	1.58	ha	83.39	473
18.2.023.18.4.02	2018	Mixed Species	3.91	ha	206.58	1,171
18.2.024.18.4.01	2018	Mixed Species	2.66	ha	140.93	799
18.2.025.18.4.01	2018	Mixed Species	2.14	ha	113.13	641
18.2.027.18.4.01	2018	Mixed Species	0.91	ha	48.19	273
18.2.028.18.3.01	2018	Mixed Species	3.35	ha	177.16	1,004
18.2.02f.18.4.02	2018	Mixed Species	1.61	ha	85.39	484
18.2.030.18.4.01	2018	Mixed Species	1.17	ha	61.97	351
18.2.035.18.4.01	2018	Mixed Species	1.68	ha	89.02	504
18.2.035.18.4.02	2018	Mixed Species	0.96	ha	50.87	288
18.2.035.19.4.01	2018	Mixed Species	0.72	ha	37.86	215

Parcel ID	Planting year	Tech Spec	Area	Units	Buffer	Sellable CO_2
18.2.036.18.4.01	2018	Mixed Species	1.14	ha	60.45	343
18.2.039.18.4.01	2018	Mixed Species	1.55	ha	82.02	465
18.2.03a.18.4.01	2018	Mixed Species	1.70	ha	89.95	510
18.2.03b.18.4.01	2018	Mixed Species	2.34	ha	123.98	703
18.2.03c.18.4.01	2018	Mixed Species	1.06	ha	55.95	317
18.2.03d.18.4.01	2018	Mixed Species	11.42	ha	604.03	3,423
18.2.040.18.4.01	2018	Mixed Species	1.54	ha	81.61	462
18.2.041.18.4.01	2018	Mixed Species	1.51	ha	79.69	452
18.2.042.18.4.01	2018	Mixed Species	1.26	ha	66.44	377
18.2.043.18.4.01	2018	Mixed Species	1.62	ha	85.75	486
18.2.044.18.4.03	2018	Mixed Species	2.09	ha	110.63	627
18.2.0b8.18.4.01	2018	Mixed Species	1.01	ha	53.30	302
18.4.002.18.4.01	2018	Mixed Species	1.76	ha	93.29	529
18.4.005.18.4.02	2018	Mixed Species	1.16	ha	61.10	346
18.4.006.18.4.01	2018	Mixed Species	1.37	ha	72.54	411
18.4.008.18.4.01	2018	Mixed Species	1.03	ha	54.71	310
18.4.008.18.4.02	2018	Mixed Species	1.33	ha	70.28	398
18.4.009.18.4.02	2018	Mixed Species	0.85	ha	45.10	256
18.4.009.18.4.03	2018	Mixed Species	1.16	ha	61.46	348
18.4.00f.18.4.01	2018	Mixed Species	1.97	ha	104.29	591
18.4.010.18.4.02	2018	Mixed Species	3.00	ha	158.64	899
18.4.011.18.4.01	2018	Mixed Species	0.89	ha	47.19	267

Parcel ID	Planting year	Tech Spec	Area	Units	Buffer	Sellable CO_2
18.4.011.18.4.02	2018	Mixed Species	1.30	ha	68.99	391
18.5.002.18.4.01	2018	Mixed Species	1.31	ha	69.50	394
18.5.003.18.4.01	2018	Mixed Species	2.73	ha	144.50	819
18.6.001.18.4.01	2018	Mixed Species	2.61	ha	137.82	781
19.2.002.19.4.02	2018	Mixed Species	1.35	ha	71.41	405
19.2.025.18.4.01	2018	Mixed Species	5.32	ha	281.43	1,595
19.5.003.19.4.01	2018	Mixed Species	2.12	ha	111.93	634
19.5.007.18.4.01	2018	Mixed Species	2.38	ha	125.84	713
19.5.008.18.4.01	2018	Mixed Species	3.93	ha	207.84	1,178
13.1.007.18.6.02	2018	Coffee	1.14	ha	41.04	233
16.2.19d.18.4.01	2018	Coffee	1.13	ha	40.52	230
16.3.00b.18.6.01	2018	Coffee	2.83	ha	101.66	576
16.3.823.18.6.04	2018	Coffee	0.52	ha	18.61	105
16.3.823.18.6.05	2018	Coffee	0.30	ha	10.67	60
16.3.f38.18.6.01	2018	Coffee	0.64	ha	23.06	131
17.2.0ab.17.6.01	2018	Coffee	1.48	ha	53.24	302
17.2.0ab.17.6.02	2018	Coffee	0.67	ha	24.12	137
17.2.0ab.18.6.01	2018	Coffee	2.04	ha	-	-
17.2.0ae.18.6.02	2018	Coffee	0.52	ha	18.69	106
17.2.0da.18.6.01	2018	Coffee	0.97	ha	34.96	198
17.3.077.10.6.01	2018	Coffee	1.02	ha	36.55	207
17.3.091.18.6.02	2018	Coffee	3.50	ha	125.58	712

Parcel ID	Planting year	Tech Spec	Area	Units	Buffer	Sellable CO_2
17.3.0a2.18.6.01	2018	Coffee	2.79	ha	100.05	567
17.6.001.18.6.01	2018	Coffee	1.88	ha	67.34	382
18.1.00e.19.6.01	2018	Coffee	1.20	ha	42.92	243
18.1.012.18.6.03	2018	Coffee	0.78	ha	27.88	158
18.1.018.18.6.02	2018	Coffee	2.04	ha	73.14	414
18.1.01a.18.6.02	2018	Coffee	0.94	ha	33.62	191
18.1.01b.18.6.02	2018	Coffee	0.74	ha	26.54	150
18.2.008.18.6.01	2018	Coffee	2.25	ha	80.83	458
18.2.008.18.6.03	2018	Coffee	0.56	ha	20.22	115
18.2.00a.18.6.01	2018	Coffee	2.00	ha	71.63	406
18.2.016.18.6.01	2018	Coffee	1.46	ha	52.35	297
18.2.016.18.6.02	2018	Coffee	1.16	ha	41.55	235
18.2.016.18.6.03	2018	Coffee	2.03	ha	72.90	413
18.2.01e.18.6.02	2018	Coffee	2.58	ha	92.51	524
18.2.01e.18.6.03	2018	Coffee	1.33	ha	47.77	271
18.2.01e.18.6.04	2018	Coffee	2.60	ha	93.13	528
18.2.01f.18.6.01	2018	Coffee	7.37	ha	264.34	1,498
18.2.02a.18.6.01	2018	Coffee	0.68	ha	24.49	139
18.2.02b.18.6.01	2018	Coffee	3.48	ha	124.68	707
18.2.02b.18.6.02	2018	Coffee	2.47	ha	88.71	503
18.2.02d.18.6.02	2018	Coffee	2.12	ha	75.89	430
18.2.031.18.6.02	2018	Coffee	1.73	ha	62.01	351

Parcel ID	Planting year	Tech Spec	Area	Units	Buffer	Sellable CO_2
18.2.032.18.6.04	2018	Coffee	0.60	ha	21.45	122
18.2.032.18.6.05	2018	Coffee	0.54	ha	19.49	110
18.2.032.18.6.06	2018	Coffee	0.56	ha	20.22	115
18.2.032.18.6.07	2018	Coffee	1.76	ha	63.08	357
18.2.034.18.6.03	2018	Coffee	1.50	ha	53.82	305
18.2.034.18.6.04	2018	Coffee	0.74	ha	26.56	151
18.2.03e.18.6.01	2018	Coffee	0.64	ha	22.87	130
18.2.03f.18.6.01	2018	Coffee	0.71	ha	25.64	145
18.2.0b9.18.6.03	2018	Coffee	2.07	ha	74.09	420
18.2.0ba.18.6.01	2018	Coffee	4.73	ha	169.75	962
18.2.0bb.18.6.01	2018	Coffee	1.31	ha	46.98	266
18.2.0bb.18.6.02	2018	Coffee	1.80	ha	64.49	365
18.3.004.18.6.01	2018	Coffee	0.68	ha	24.33	138
18.3.005.18.6.01	2018	Coffee	1.72	ha	61.84	350
18.3.005.18.6.02	2018	Coffee	1.81	ha	64.94	368
18.3.008.18.6.02	2018	Coffee	0.47	ha	16.76	95
18.3.008.18.6.03	2018	Coffee	0.36	ha	12.94	73
18.3.008.18.6.05	2018	Coffee	0.32	ha	11.57	66
18.3.009.18.6.04	2018	Coffee	0.68	ha	24.52	139
18.3.00a.18.6.02	2018	Coffee	1.20	ha	42.92	243
18.3.00a.18.6.03	2018	Coffee	0.75	ha	26.92	153
18.3.00b.18..cf	2018	Coffee	0.51	ha	18.12	103

Parcel ID	Planting year	Tech Spec	Area	Units	Buffer	Sellable CO_2
18.3.00b.18.6.01	2018	Coffee	1.10	ha	39.39	223
18.3.00b.18.6.04	2018	Coffee	0.40	ha	14.22	81
18.3.00d.18.6.01	2018	Coffee	1.23	ha	44.05	250
18.3.00e.18.6.01	2018	Coffee	0.67	ha	24.09	137
18.3.00f.18.6.01	2018	Coffee	1.72	ha	61.80	350
18.3.010.18.6.01	2018	Coffee	1.95	ha	69.80	396
18.3.015.18.6.01	2018	Coffee	1.23	ha	43.99	249
18.3.015.18.6.02	2018	Coffee	0.48	ha	17.36	98
18.3.017.18.6.02	2018	Coffee	2.22	ha	79.47	450
18.3.017.18.6.03	2018	Coffee	1.91	ha	68.36	387
18.3.019.18.6.02	2018	Coffee	1.49	ha	53.38	302
18.3.01c.18.6.01	2018	Coffee	7.51	ha	269.36	1,526
18.3.01d.18.6.02	2018	Coffee	1.85	ha	66.18	375
18.3.01e.18.6.01	2018	Coffee	2.86	ha	102.62	582
18.3.01f.18.6.01	2018	Coffee	0.88	ha	31.59	179
18.3.020.18.6.01	2018	Coffee	1.56	ha	56.03	317
18.3.021.18.6.01	2018	Coffee	0.72	ha	25.67	145
18.3.023.18.6.01	2018	Coffee	2.07	ha	74.38	421
18.3.023.18.6.02	2018	Coffee	0.41	ha	14.71	83
18.3.025.18.6.04	2018	Coffee	0.71	ha	25.44	144
18.3.026.18.6.02	2018	Coffee	1.17	ha	41.97	238
18.3.027.18.6.02	2018	Coffee	1.22	ha	43.84	248

Parcel ID	Planting year	Tech Spec	Area	Units	Buffer	Sellable CO_2
18.3.028.18.6.01	2018	Coffee	1.72	ha	61.65	349
18.3.029.18.6.01	2018	Coffee	0.78	ha	27.85	158
18.3.02a.18.6.01	2018	Coffee	1.15	ha	41.16	233
18.3.02b.18.6.01	2018	Coffee	2.50	ha	89.76	509
18.3.02b.18.6.03	2018	Coffee	0.58	ha	20.92	119
18.3.02c.18.6.01	2018	Coffee	1.08	ha	38.68	219
18.3.02c.18.6.02	2018	Coffee	4.12	ha	147.82	838
18.3.02e.18.6.02	2018	Coffee	0.64	ha	22.87	130
18.3.02f.18.6.02	2018	Coffee	3.15	ha	113.04	641
18.3.033.18.6.02	2018	Coffee	0.49	ha	17.41	99
18.3.033.18.6.03	2018	Coffee	1.03	ha	37.09	210
18.3.035.18.6.01	2018	Coffee	1.64	ha	58.64	332
18.3.036.18.6.01	2018	Coffee	1.71	ha	61.43	348
18.3.039.18.6.02	2018	Coffee	1.80	ha	64.67	366
18.3.039.18.6.03	2018	Coffee	0.55	ha	19.83	112
18.3.03b.18.6.01	2018	Coffee	1.11	ha	39.89	226
18.3.03c.18.6.01	2018	Coffee	1.40	ha	50.24	285
18.3.03d.18.6.01	2018	Coffee	1.34	ha	48.04	272
18.3.03e.18.6.01	2018	Coffee	0.98	ha	35.24	200
18.3.03f.18.6.01	2018	Coffee	1.19	ha	42.51	241
18.3.040.18.6.01	2018	Coffee	1.44	ha	51.54	292
18.3.041.18.6.02	2018	Coffee	1.48	ha	53.06	301

Parcel ID	Planting year	Tech Spec	Area	Units	Buffer	Sellable CO_2
18.3.042.18.6.01	2018	Coffee	0.63	ha	22.61	128
18.3.042.18.6.02	2018	Coffee	0.44	ha	15.69	89
18.3.043.18.6.02	2018	Coffee	0.69	ha	24.83	141
18.3.045.18.6.01	2018	Coffee	0.95	ha	34.23	194
18.3.046.18.6.01	2018	Coffee	1.15	ha	41.23	234
18.3.047.18.6.01	2018	Coffee	1.44	ha	51.55	292
18.3.04c.18.6.01	2018	Coffee	4.49	ha	161.20	913
18.3.04d.18.6.05	2018	Coffee	0.77	ha	27.50	156
18.3.04f.18.6.01	2018	Coffee	1.76	ha	63.22	358
18.3.050.18.6.02	2018	Coffee	0.53	ha	19.07	108
18.3.050.18.6.03	2018	Coffee	0.93	ha	33.21	188
18.3.053.18.6.01	2018	Coffee	1.03	ha	37.12	210
18.3.056.18.6.01	2018	Coffee	0.84	ha	30.08	170
18.3.057.18.6.02	2018	Coffee	0.58	ha	20.79	118
18.3.05a.18.6.01	2018	Coffee	0.73	ha	26.21	149
18.3.05b.18.6.01	2018	Coffee	0.74	ha	26.59	151
18.3.05b.18.6.06	2018	Coffee	4.13	ha	148.09	839
18.4.00a.18.6.01	2018	Coffee	1.00	ha	35.96	204
18.4.00b.18.6.01	2018	Coffee	2.17	ha	77.84	441
18.4.00c.18.6.01	2018	Coffee	0.79	ha	28.45	161
18.4.00d.18.6.01	2018	Coffee	1.05	ha	37.62	213
18.4.00e.18.6.01	2018	Coffee	1.95	ha	69.83	396

Parcel ID	Planting year	Tech Spec	Area	Units	Buffer	Sellable CO_2
18.5.001.18.6.01	2018	Coffee	1.44	ha	51.48	292
18.6.003.18.6.01	2018	Coffee	1.00	ha	35.94	204
19.3.001.18.6.01	2018	Coffee	0.68	ha	24.34	138
Totals			**421.59**		**18,803**	**106,552**

Appendix 3: Detailed carbon sales to date

The following table provides a detailed list of Plan Vivo Certificates sold to date by vintage.

Table 13: Carbon sales to date

Vintage	Name of purchaser	Certificates purchased	Price/certificate (USD)	Total received (USD)
2010	C-Level	650		
2010	Carbon Advice Group	95		
2010	Carbon Finance Intel	50		
2010	Prima Klima	11,009		
2010	Taking Root	538		
2010	TOTAL	12,342		
2011	C-Level	850		
2011	C-Level	1,350		
2011	MyClimate	3,000		
2011	Prima Klima	20,950		
2011	Prima Klima	5,300		
2011	Taking Root	1,234		
2011	ZeroMission	1,000		
2011	TOTAL	33,684		
2012	C-Level	1,400		
2012	COTAP	359		
2012	MyClimate	10,000		
2012	Prima Klima	30,000		
2012	Taking Root	549		
2012	ZeroMission	20,000		
2012	ZeroMission	3,899		
2012	TOTAL	66,207		
2013	C-Level	1,500		
2013	CeroCO2	414		
2013	COTAP	457		
2013	COTAP	158		
2013	MyClimate	13,000		
2013	Prima Klima	21,181		
2013	Taking Root	1,324		
2013	Tree-Nation	609		
2013	Tree-Nation	170		
2013	Tree-Nation	111		
2013	Tree-Nation	229		

Vintage	Name of purchaser	Certificates purchased	Price/certificate (USD)	Total received (USD)
2013	Tree-Nation	91		
2013	ZeroMission	32,000		
2013	ZeroMission	4,979		
2013	ZeroMission	2,207		
2013	TOTAL	78,430		
2014	C-Level	1,000		
2014	COTAP	460		
2014	Inter-American Development Bank	24,000		
2014	MyClimate	10,000		
2014	Prima Klima	5,000		
2014	Taking Root (Retail)	481		
2014	ZeroMission	25,000		
2014	TOTAL	65,941		
2015	C-Level	1,100		
2015	CeroCO2	1,700		
2015	COTAP	246		
2015	COTAP	415		
2015	MyClimate	10,999		
2015	Prima Klima	17,000		
2015	Inter-American Development Bank	32,000		
2015	Tree-Nation	111		
2015	ZeroMission	25,000		
2015	Taking Root 2015 retail sales	889		
2015	Taking Root sold in 2016	702		
2015	Total	90,162		
2016	Prima Klima	20,000		
2016	ZeroMission	31,578		
2016	CRS	31,815		
2016	Myclimate	10,000		
2016	ECODES/CeroCO2	3,600		
2016	CLEVEL	1,500		
2016	COTAP	851		
2016	Taking Root retail 2016	474		
2016	Taking Root retail 2017	1,222		
2016	Total	101,040		
2017	Myclimate	28,000		
2017	Myclimate	16,500		
2017	ECODES	3,000		
2017	ZeroMission	15,000		

Vintage	Name of purchaser	Certificates purchased	Price/certificate (USD)	Total received (USD)
2017	Prima Klima	9,000		
2017	ZeroMission	7,637		
2017	COTAP	1,491		
2017	Zero Mission	15,400		
2017	MyClimate	1,400		
2017	C-Level	1,500		
2017	TR Retail 2017	1,511**		
2017	TR Retail 2018	912		
2017	Allocated to adjust for past years	1,408		
2017	**Total**	**102,759**		
2018	Prima Klima	18,000		
2018	ECODES/CeroCO2	3,000		
2018	Myclimate	30,000		
2018	Myclimate	10,000		
2018	Zero Mission	3,025		
2018	Zero Mission	19,807		
2018	COTAP	2,041		
2018	Taking Root retail	928		
2018	Unsold	19,570		
2018	Allocated adjusting for past years	181		
2018	**Total**	**106,552**		
All years	**GRAND TOTAL**	**657,117**		

Appendix 4: Monitoring Results

The following worksheet contains Taking Roots' forest inventory from 2018 for plan vivos planted from 2010 - 2016 and in 2018. Note that the data provided is for area monitored, which in some cases is not the full area planted for the given year since some land was not monitored.

Description of indicators used

Vintage	The year the plan vivo was planted
Monitoring year	The calendar year the parcel was monitored
Monitoring target reference year	The year of monitoring since planted, which determines the monitoring targets to be met
Target basal area (m^2)	The target basal area in m^2 required to meet target as prescribed in each technical specification
Trees per hectare (TPH)	The target tree density required to meet target as prescribed in each technical specification
Target met	Was the target met? Pass indicated with '1' and fail indicated with '0', with total percentage being a weighted pass rate
Threshold met	Was the threshold met? Pass indicated with '1' and fail indicated with '0', with total percentage being a weighted pass rate

Notes

1. Different targets are required for different monitoring years, as indicated by the *Monitoring target reference year*. Full details are available in the Technical Specifications.
2. If all required targets are met, producer receives full payment. If some targets only meet the threshold, producer receives partial payment. If some targets do not meet threshold, payment is not received.

2018 Monitoring Results for 2018 Plan Vivos

Parcel ID	Tech Spec	Area (Ha)	Ha Eq	TPH Target	TPH	BAHA Target	BAHA	Target Met	Credits
13.1.007.18.6.02	Coffee	1.1	0.78	200	371	0	22.4	1	233
13.1.025.18.4.01	MixedSpecies	1.4	1.43	375	812	0	2.7	1	423
13.1.037.18.4.01	MixedSpecies	0.5	0.52	375	1527	0	1.5	1	154
14.1.037.18.4.01	MixedSpecies	1.5	1.56	375	563	0	0.3	1	462
14.2.001.18..30	MixedSpecies	18.7	18.96	375	778	0	7.0	1	5618
15.2.001.18.4.01	MixedSpecies	1.0	0.97	375	429	0	4.8	1	288
15.2.018.18.4.01	MixedSpecies	7.3	7.36	375	748	0	2.6	1	2180
15.2.1bd.18.4.01	MixedSpecies	6.7	6.8	375	699	0	2.4	1	2014
16.2.19c.18.4.01	MixedSpecies	1.3	1.28	375	1568	0	7.1	1	380
16.2.19d.18.4.01	Coffee	1.1	0.78	200	260	0	11.5	1	230
16.2.19f.18.4.01	MixedSpecies	1.6	1.65	375	1444	0	3.2	1	488
16.2.1a1.18.3.01	Silvopastoral	3.8	2.44	180	560	0	4.7	1	724
16.2.1a1.18.3.02	Silvopastoral	10.0	6.47	180	728	0	3.8	1	1917
16.2.1a1.18.4.01	MixedSpecies	1.8	1.82	375	921	0	1.3	1	538

Parcel ID	Tech Spec	Area (Ha)	Ha Eq	TPH Target	TPH	BAHA Target	BAHA	Target Met	Credits
16.2.1a2.18.4.01	MixedSpecies	1.5	1.49	375	1321	0	3.6	1	441
16.2.1a5.18.4.01	MixedSpecies	1.2	1.23	375	1411	0	2.7	1	363
16.2.1a6.18.4.01	MixedSpecies	3.5	3.52	375	617	0	3.4	1	1042
16.2.f27.18.4.01	MixedSpecies	2.0	2.02	375	1407	0	2.3	1	600
16.3.00b.18.6.01	Coffee	2.8	1.94	200	288	0	2.1	1	576
16.3.823.18.6.04	Coffee	0.5	0.36	200	271	0	1.6	1	105
16.3.823.18.6.05	Coffee	0.3	0.2	200	159	0	0.0	0	60
16.3.f38.18.6.01	Coffee	0.6	0.44	200	202	0	4.8	1	131
17.1.016.18.4.01	MixedSpecies	0.2	0.17	375	1949	0	0.0	1	49
17.1.018.18.4.01	MixedSpecies	1.4	1.45	375	1340	0	0.5	1	428
17.2.019.18.4.01	MixedSpecies	2.3	2.36	375	575	0	3.0	1	698
17.2.01f.18.4.01	MixedSpecies	0.5	0.54	375	1364	0	1.4	1	160
17.2.0ae.18.6.02	Coffee	0.5	0.36	200	430	0	16.2	1	106
17.2.0d3.18.4.01	MixedSpecies	1.7	1.71	375	1533	0	2.8	1	506
17.2.0d6.18.4.01	MixedSpecies	1.4	1.43	375	260	0	2.1	0	424

Parcel ID	Tech Spec	Area (Ha)	Ha Eq	TPH Target	TPH	BAHA Target	BAHA	Target Met	Credits
17.2.0d8.18.4.01	MixedSpecies	2.3	2.36	375	1202	0	2.8	1	700
17.2.0da.18.6.01	Coffee	1.0	0.67	200	554	0	2.8	1	198
17.2.0dc.18.4.01	MixedSpecies	3.7	3.71	375	474	0	3.0	1	1100
17.2.0de.18.4.01	MixedSpecies	3.9	3.97	375	734	0	6.2	1	1176
17.3.077.10.6.01	Coffee	1.0	0.7	200	95	0	0.0	0	207
17.3.091.18.6.02	Coffee	3.5	2.4	200	331	0	4.2	1	712
17.3.0a2.18.6.01	Coffee	2.8	1.91	200	426	0	5.1	1	567
17.4.004.17.4.02	MixedSpecies	1.9	1.9	375	992	0	3.1	1	564
17.4.005.18.4.01	MixedSpecies	2.0	2.01	375	974	0	0.0	1	595
17.4.007.18.4.01	MixedSpecies	2.3	2.33	375	1531	0	6.3	1	689
17.6.001.18.6.01	Coffee	1.9	1.29	200	376	0	1.5	1	382
18.1.004.18.4.01	MixedSpecies	2.3	2.37	375	552	0	3.0	1	704
18.1.004.18.4.02	MixedSpecies	7.0	7.11	375	577	0	3.7	1	2107
18.1.00d.18.4.02	MixedSpecies	1.5	1.52	375	1292	0	5.4	1	449
18.1.00f.18.4.02	MixedSpecies	0.6	0.65	375	1256	0	0.9	1	194

Parcel ID	Tech Spec	Area (Ha)	Ha Eq	TPH Target	TPH	BAHA Target	BAHA	Target Met	Credits
18.1.00f.18.4.03	MixedSpecies	1.0	0.97	375	1299	0	2.6	1	288
18.1.010.18.4.01	MixedSpecies	1.3	1.36	375	950	0	0.0	1	403
18.1.012.18.6.02	Coffee	0.8	0.53	200	485	0	12.8	1	158
18.1.018.18.6.02	Coffee	2.0	1.4	200	395	0	29.8	1	414
18.1.01a.18.6.02	Coffee	0.9	0.64	200	369	0	6.9	1	191
18.1.01b.18.6.02	Coffee	0.7	0.51	200	525	0	12.9	1	150
18.2.002.18.4.01	MixedSpecies	2.1	2.15	375	1374	0	1.1	1	638
18.2.003.16.4.01	MixedSpecies	2.6	2.64	375	524	0	0.0	1	782
18.2.008.18.6.01	Coffee	2.3	1.55	200	416	0	0.8	1	458
18.2.008.18.6.03	Coffee	0.6	0.39	200	382	0	0.9	1	115
18.2.00a.18.6.01	Coffee	2.0	1.37	200	374	0	1.6	1	406
18.2.00c.18.4.01	MixedSpecies	2.1	2.14	375	1289	0	2.1	1	633
18.2.00c.18.4.02	MixedSpecies	1.4	1.46	375	1169	0	4.3	1	432
18.2.00f.18.4.01	MixedSpecies	3.6	3.68	375	821	0	5.4	1	1090
18.2.010.18.4.01	MixedSpecies	2.3	2.3	375	844	0	3.7	1	681

Parcel ID	Tech Spec	Area (Ha)	Ha Eq	TPH Target	TPH	BAHA Target	BAHA	Target Met	Credits
18.2.010.18.4.02	MixedSpecies	1.5	1.54	375	628	0	1.3	1	456
18.2.012.18.4.01	MixedSpecies	1.3	1.33	375	1550	0	4.5	1	394
18.2.015.18.4.01	MixedSpecies	5.3	5.36	375	920	0	3.3	1	1587
18.2.016.18.6.01	Coffee	1.5	1	200	283	0	1.2	1	297
18.2.016.18.6.02	Coffee	1.2	0.79	200	318	0	1.5	1	235
18.2.016.18.6.03	Coffee	2.0	1.39	200	305	0	12.4	1	413
18.2.017.18.4.01	MixedSpecies	1.0	1.06	375	1299	0	4.5	1	313
18.2.01b.18.4.01	MixedSpecies	2.5	2.52	375	1187	0	5.0	1	746
18.2.01e.18.6.04	Coffee	2.6	1.78	200	279	0	10.4	1	528
18.2.01f.18.6.01	Coffee	7.4	5.06	200	298	0	0.6	1	1498
18.2.020.18.4.01	MixedSpecies	1.9	1.89	375	1807	0	3.2	1	559
18.2.021.18.4.01	MixedSpecies	2.2	2.24	375	1499	0	0.5	1	665
18.2.022.18.4.02	MixedSpecies	1.6	1.59	375	599	0	2.2	1	473
18.2.023.18.4.02	MixedSpecies	3.9	3.95	375	1196	0	1.4	1	1171
18.2.024.18.4.01	MixedSpecies	2.7	2.7	375	1364	0	0.9	1	799

Parcel ID	Tech Spec	Area (Ha)	Ha Eq	TPH Target	TPH	BAHA Target	BAHA	Target Met	Credits
18.2.025.18.4.01	MixedSpecies	2.1	2.16	375	1249	0	1.9	1	641
18.2.027.18.4.01	MixedSpecies	0.9	0.92	375	1455	0	13.8	1	273
18.2.028.18.3.01	MixedSpecies	3.3	3.39	375	400	0	2.6	1	1004
18.2.02a.18.6.01	Coffee	0.7	0.47	200	499	0	0.4	1	139
18.2.02b.18.6.01	Coffee	3.5	2.38	200	339	0	0.3	1	707
18.2.02d.18.6.02	Coffee	2.1	1.45	200	326	0	0.5	1	430
18.2.030.18.4.01	MixedSpecies	1.2	1.19	375	1072	0	2.9	1	351
18.2.031.18.6.02	Coffee	1.7	1.19	200	420	0	1.4	1	351
18.2.032.18.6.04	Coffee	0.6	0.41	200	477	0	2.7	1	122
18.2.032.18.6.05	Coffee	0.5	0.37	200	329	0	11.5	1	110
18.2.032.18.6.06	Coffee	0.6	0.39	200	318	0	21.1	1	115
18.2.032.18.6.07	Coffee	1.8	1.21	200	337	0	17.9	1	357
18.2.034.18.6.03	Coffee	1.5	1.03	200	0	0	0.0	0	305
18.2.034.18.6.04	Coffee	0.7	0.51	200	390	0	1.1	1	151
18.2.035.18.4.01	MixedSpecies	1.7	1.7	375	1332	0	0.7	1	504

Parcel ID	Tech Spec	Area (Ha)	Ha Eq	TPH Target	TPH	BAHA Target	BAHA	Target Met	Credits
18.2.035.18.4.02	MixedSpecies	1.0	0.97	375	611	0	4.2	1	288
18.2.036.18.4.01	MixedSpecies	1.1	1.16	375	1314	0	0.4	1	343
18.2.039.18.4.01	MixedSpecies	1.6	1.57	375	621	0	5.1	1	465
18.2.03a.18.4.01	MixedSpecies	1.7	1.72	375	1234	0	0.0	1	510
18.2.03b.18.4.01	MixedSpecies	2.3	2.37	375	691	0	0.6	1	703
18.2.03c.18.4.01	MixedSpecies	1.1	1.07	375	931	0	7.1	1	317
18.2.03d.18.4.01	MixedSpecies	11.4	11.55	375	1198	0	1.8	1	3423
18.2.03e.18.6.01	Coffee	0.6	0.44	200	244	0	0.6	1	130
18.2.03f.18.6.01	Coffee	0.7	0.49	200	541	0	0.7	1	145
18.2.040.18.4.01	MixedSpecies	1.5	1.56	375	1487	0	4.4	1	462
18.2.041.18.4.01	MixedSpecies	1.5	1.52	375	1306	0	2.9	1	452
18.2.042.18.4.01	MixedSpecies	1.3	1.27	375	1485	0	6.9	1	377
18.2.043.18.4.01	MixedSpecies	1.6	1.64	375	1572	0	3.1	1	486
18.2.044.18.4.03	MixedSpecies	2.1	2.12	375	1069	0	8.6	1	627
18.2.0b8.18.4.01	MixedSpecies	1.0	1.02	375	1527	0	1.9	1	302

Parcel ID	Tech Spec	Area (Ha)	Ha Eq	TPH Target	TPH	BAHA Target	BAHA	Target Met	Credits
18.2.0b9.18.6.03	Coffee	2.1	1.42	200	220	0	0.5	1	420
18.2.0ba.18.6.01	Coffee	4.7	3.25	200	392	0	17.7	1	962
18.2.0bb.18.6.01	Coffee	1.3	0.9	200	532	0	4.2	1	266
18.3.004.18.6.01	Coffee	0.7	0.47	200	382	0	1.1	1	138
18.3.005.18.6.01	Coffee	1.7	1.18	200	573	0	0.9	1	350
18.3.005.18.6.02	Coffee	1.8	1.24	200	315	0	3.3	1	368
18.3.008.18.6.02	Coffee	0.5	0.32	200	191	0	9.0	0	95
18.3.008.18.6.03	Coffee	0.4	0.25	200	350	0	19.7	1	73
18.3.008.18.6.05	Coffee	0.3	0.22	200	318	0	2.9	1	66
18.3.009.18.6.04	Coffee	0.7	0.47	200	414	0	0.3	1	139
18.3.00a.18.6.02	Coffee	1.2	0.82	200	464	0	1.4	1	243
18.3.00a.18.6.03	Coffee	0.8	0.51	200	390	0	0.3	1	153
18.3.00b.18.6.01	Coffee	1.1	0.75	200	430	0	2.5	1	223
18.3.00b.18.6.04	Coffee	0.4	0.27	200	318	0	6.9	1	81
18.3.00b.18..cf	Coffee	0.5	0.35	200	302	0	0.3	1	103

Parcel ID	Tech Spec	Area (Ha)	Ha Eq	TPH Target	TPH	BAHA Target	BAHA	Target Met	Credits
18.3.00d.18.6.01	Coffee	1.2	0.84	200	277	0	1.2	1	250
18.3.00e.18.6.01	Coffee	0.7	0.46	200	202	0	0.5	1	137
18.3.00f.18.6.01	Coffee	1.7	1.18	200	401	0	0.4	1	350
18.3.010.18.6.01	Coffee	1.9	1.33	200	341	0	2.5	1	396
18.3.017.18.6.02	Coffee	2.2	1.52	200	326	0	2.8	1	450
18.3.019.18.6.02	Coffee	1.5	1.02	200	414	0	0.8	1	302
18.3.01c.18.6.01	Coffee	7.5	5.15	200	382	0	2.8	1	1526
18.3.01d.18.6.02	Coffee	1.8	1.27	200	483	0	3.2	1	375
18.3.01e.18.6.01	Coffee	2.9	1.96	200	499	0	1.2	1	582
18.3.01f.18.6.01	Coffee	0.9	0.6	200	484	0	1.8	1	179
18.3.020.18.6.01	Coffee	1.6	1.07	200	332	0	0.7	1	317
18.3.021.18.6.01	Coffee	0.7	0.49	200	509	0	0.6	1	145
18.3.023.18.6.01	Coffee	2.1	1.42	200	361	0	0.3	1	421
18.3.023.18.6.02	Coffee	0.4	0.28	200	95	0	0.0	0	83
18.3.025.18.6.04	Coffee	0.7	0.49	200	438	0	22.9	1	144

Parcel ID	Tech Spec	Area (Ha)	Ha Eq	TPH Target	TPH	BAHA Target	BAHA	Target Met	Credits
18.3.026.18.6.02	Coffee	1.2	0.8	200	0	0	0.0	0	238
18.3.027.18.6.02	Coffee	1.2	0.84	200	0	0	0.0	0	248
18.3.028.18.6.01	Coffee	1.7	1.18	200	552	0	4.0	1	349
18.3.029.18.6.01	Coffee	0.8	0.53	200	350	0	1.1	1	158
18.3.02a.18.6.01	Coffee	1.1	0.79	200	493	0	3.8	1	233
18.3.02b.18.6.01	Coffee	2.5	1.72	200	359	0	1.3	1	509
18.3.02b.18.6.03	Coffee	0.6	0.4	200	85	0	1.6	0	119
18.3.02c.18.6.01	Coffee	1.1	0.74	200	515	0	2.4	1	219
18.3.02c.18.6.02	Coffee	4.1	2.83	200	301	0	4.7	1	838
18.3.02e.18.6.02	Coffee	0.6	0.44	200	212	0	14.5	1	130
18.3.02f.18.6.02	Coffee	3.2	2.16	200	117	0	0.4	0	641
18.3.033.18.6.02	Coffee	0.5	0.33	200	286	0	5.0	1	99
18.3.033.18.6.03	Coffee	1.0	0.71	200	345	0	3.0	1	210
18.3.039.18.6.02	Coffee	1.8	1.24	200	321	0	1.1	1	366
18.3.039.18.6.03	Coffee	0.6	0.38	200	180	0	1.2	0	112

Parcel ID	Tech Spec	Area (Ha)	Ha Eq	TPH Target	TPH	BAHA Target	BAHA	Target Met	Credits
18.3.03b.18.6.01	Coffee	1.1	0.76	200	350	0	0.0	1	226
18.3.03c.18.6.01	Coffee	1.4	0.96	200	370	0	2.1	1	285
18.3.03d.18.6.01	Coffee	1.3	0.92	200	527	0	1.6	1	272
18.3.03e.18.6.01	Coffee	1.0	0.67	200	312	0	2.9	1	200
18.3.03f.18.6.01	Coffee	1.2	0.81	200	341	0	0.1	1	241
18.3.040.18.6.01	Coffee	1.4	0.99	200	374	0	0.6	1	292
18.3.041.18.6.02	Coffee	1.5	1.01	200	283	0	1.0	1	301
18.3.042.18.6.01	Coffee	0.6	0.43	200	318	0	0.9	1	128
18.3.042.18.6.02	Coffee	0.4	0.3	200	191	0	7.2	0	89
18.3.043.18.6.02	Coffee	0.7	0.47	200	340	0	0.0	1	141
18.3.045.18.6.01	Coffee	1.0	0.65	200	280	0	0.6	1	194
18.3.046.18.6.01	Coffee	1.1	0.79	200	292	0	4.3	1	234
18.3.047.18.6.01	Coffee	1.4	0.99	200	290	0	12.1	1	292
18.3.04c.18.6.01	Coffee	4.5	3.08	200	229	0	10.5	1	913
18.3.04d.18.6.05	Coffee	0.8	0.53	200	326	0	4.2	1	156

Parcel ID	Tech Spec	Area (Ha)	Ha Eq	TPH Target	TPH	BAHA Target	BAHA	Target Met	Credits
18.3.04f.18.6.01	Coffee	1.8	1.21	200	512	0	1.0	1	358
18.3.050.18.6.02	Coffee	0.5	0.36	200	271	0	4.4	1	108
18.3.050.18.6.03	Coffee	0.9	0.64	200	344	0	5.3	1	188
18.3.053.18.6.01	Coffee	1.0	0.71	200	350	0	0.3	1	210
18.3.056.18.6.01	Coffee	0.8	0.58	200	382	0	2.1	1	170
18.3.057.18.6.02	Coffee	0.6	0.4	200	138	0	1.4	0	118
18.3.05a.18.6.01	Coffee	0.7	0.5	200	334	0	18.3	1	149
18.3.05b.18.6.01	Coffee	0.7	0.51	200	255	0	0.0	1	151
18.3.05b.18.6.06	Coffee	4.1	2.83	200	255	0	0.8	1	839
18.4.002.18.4.01	MixedSpecies	1.8	1.78	375	1410	0	0.5	1	529
18.4.005.18.4.02	MixedSpecies	1.2	1.17	375	1332	0	0.9	1	346
18.4.006.18.4.01	MixedSpecies	1.4	1.39	375	1218	0	0.3	1	411
18.4.008.18.4.01	MixedSpecies	1.0	1.05	375	996	0	0.3	1	310
18.4.008.18.4.02	MixedSpecies	1.3	1.34	375	999	0	0.0	1	398
18.4.00a.18.6.01	Coffee	1.0	0.69	200	223	0	0.0	1	204

Parcel ID	Tech Spec	Area (Ha)	Ha Eq	TPH Target	TPH	BAHA Target	BAHA	Target Met	Credits
18.4.00b.18.6.01	Coffee	2.2	1.49	200	235	0	13.7	1	441
18.4.00c.18.6.01	Coffee	0.8	0.54	200	231	0	1.8	1	161
18.4.00d.18.6.01	Coffee	1.0	0.72	200	470	0	18.5	1	213
18.4.00e.18.6.01	Coffee	1.9	1.34	200	122	0	4.3	0	396
18.4.00f.18.4.01	MixedSpecies	2.0	1.99	375	893	0	0.6	1	591
.18.4.01	MixedSpecies	1.8	1.81	375	850	0	6.3	1	535
18.4.010.18.4.02	MixedSpecies	3.0	3.03	375	950	0	0.9	1	899
18.4.011.18.4.01	MixedSpecies	0.9	0.9	375	1026	0	5.2	1	267
18.4.011.18.4.02	MixedSpecies	1.3	1.32	375	1383	0	1.5	1	391
18.5.001.18.6.01	Coffee	1.4	0.98	200	354	0	6.9	1	292
18.5.002.18.4.01	MixedSpecies	1.3	1.33	375	1216	0	1.3	1	394
18.5.003.18.4.01	MixedSpecies	2.7	2.76	375	1332	0	3.1	1	819
18.6.001.18.4.01	MixedSpecies	2.6	2.64	375	1226	0	0.2	1	781
18.6.003.18.6.01	Coffee	1.0	0.69	200	207	0	0.0	1	204

2018 Monitoring Results for 2010-2017 Plan Vivos

Parcel ID	Tech Spec	Area (Ha)	Ha Eq	TPH Target	TPH	BAHA Target	BAHA	Target Met	Credits
16.2.001.16.4.01	Mixed Species	1.22	1.23	375	2,209	0	2.09	1	365
10.1.010.17.4.01	Mixed Species	0.59	0.6	375	909	0	0.68	1	178
11.1.001.17.4.01	Mixed Species	1.18	1.19	375	594	0	2.15	1	354
11.1.052.17.4.01	Mixed Species	5.14	5.2	375	1,060	0	0.81	1	1,542
11.1.052.17.4.02	Mixed Species	0.47	0.48	375	650	0	0.02	1	141
12.1.042.17.4.01	Mixed Species	0.63	0.63	375	758	0	5.78	1	188
13.1.002.17.4.02	Mixed Species	0.45	0.46	375	1,169	0	2.98	1	135
13.1.100.17.4.01	Mixed Species	1.75	1.77	375	491	0	7.31	1	524
16.2.18e.17.4.01	Mixed Species	2.90	2.93	375	819	0	1.05	1	868
17.1.017.17.4.01	Mixed Species	1.58	1.59	375	852	0	12.92	1	472
17.1.018.17.4.01	Mixed Species	1.60	1.62	375	794	0	1.18	1	479
17.2.001.17.4.01	Mixed Species	0.80	0.81	375	1,364	0	0.01	1	240
17.2.001.17.4.01	Mixed Species	1.82	1.84	375	833	0	2.69	1	545
17.2.015.17.4.03	Mixed Species	2.64	2.67	375	1,129	0	0.80	1	792
17.2.0cd.17.4.01	Mixed Species	2.81	2.84	375	1,280	0	0.92	1	841

17.2.0ce.17.4.01	Mixed Species	2.60	2.63	375	1,198	0	3.61	1	781
17.2.0cf.17.4.01	Mixed Species	1.70	1.72	375	1,169	0	0.39	1	509
17.2.0d0.17.4.01	Mixed Species	1.38	1.4	375	893	0	3.64	1	414
17.2.0d2.18.4.01	Mixed Species	3.50	3.54	375	1,122	0	4.40	1	1,049
17.2.0d6.17.4.01	Mixed Species	1.91	1.93	375	1,872	0	2.22	1	573

ENRACINE TAKING ROOT

About Taking Root:

Taking Root is a pioneer in leveraging the forest carbon offset industry to promote economic development amongst smallholder farmers in Central America. As a not for profit, its mission is to use reforestation as a tool to mitigate climate change, restore ecosystems and improve livelihoods. This is achieved by encouraging smallholder-farming families to reforest the under-utilized parts of their farms using native tree species in exchange for direct payments over time as the trees sequester carbon from the atmosphere. These carbon sequestration services are then marketed and sold directly within Canada and through channel partnerships in Sweden, Germany, Switzerland, England, the USA and Spain.

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