



USAID | **HAITI**
FROM THE AMERICAN PEOPLE

Feed the Future West/WINNER

Work Plan: October 2012- September 2013



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Watershed Initiative for National Natural Environmental Resources

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ACRONYMS

AFD	Agence Française de Développement
ANEM	Association Nationale des Exportateurs de Mangue
ASEC	Assemblée des Sections Communales
BIA	Boutique d’Intrants Agricoles
CASEC	Conseil d’Administration de la Section Communale
CBOs	Community-Based Organizations
CFET	Centre de Formation et d’Encadrement Technique
CHF	Cooperative Housing Foundation
CIAT	Comité Interministériel d’Aménagement du Territoire
CETPA	Centre de Stockage et de Transformation des Produits Agricoles
CNIGS	Centre National de l’Information Géospatiale
COEPDA	Comité Evangélique pour la Production et le Développement Agricole
COP	Chief of Party
COTR	Contracting Officer’s Technical Representative (USAID)
CPC	Civil Protection Committees
CRDD	Centre Rural de Développement Durable
CRS	Catholic Relief Services
DDA	Direction Départementale Agricole
DEED	Développement Economique pour un Environnement Durable
DPC	Direction de la Protection Civile (part of MICT)
DQA	Data Quality Assessment
EA	Environmental Assessment
FAMV	Faculté d’Agronomie et de Médecine Vétérinaire
FDI	Fonds de Développement Industriel
FENAPCOM	Fédération Nationale pour la Production et la Commercialisation de la Mangue
FGBF	Fédération Groupements de Belle Fontaine
FTF	Feed the Future
GIS	Geographic Information System
GOH	Government of Haiti
GPS	Global Positioning System

IDB	Interamerican Development Bank
INAGHEI	Institut National d'Administration, de Gestion, et des Hautes Etudes Internationales
IR	Intermediate Result
LCB	Local Capacity Building
LOC	Letter of Credit
LULC	Land Use Land Cover
MARNDR	Ministère de l'Agriculture, des Ressources Naturelles et du Développement Rural
MDE	Ministère de l'Environnement
M&E	Monitoring and Evaluation
MICT	Ministère de l'Intérieur et des Collectivités Territoriales
MOU	Memorandum of Understanding
MTPTC	Ministère des Travaux Publics, Transport et Communication
NGO	Non-Governmental Organization
NRM	Natural Resources Management
PEA	Programmatic Environmental Assessment
PIA	Programme d'Intensification Agricole (IDB-funded project)
PMP	Performance Management Plan
PPAs	Public-Private Agreements
PPPP	Public-Private-Producer Partnership
RFP	Request for Proposals
SHAISA	Société Haitienne Agro-Industrielle S. A
SBRI	Small Business Recovery Initiative
SRI	System of Rice Intensification
UF	University of Florida
USAID	United States Agency for International Development
USG	United States Government
WIF	Watershed Investment Fund
WINNER	Watershed Initiative for National Natural Environmental Resources

SECTION I. INTRODUCTION

This Year 4 work-plan, prepared by the Feed the Future West/WINNER Project (hereafter referred to throughout as FTF WEST/WINNER), while carrying out Year 3 activities, reflects the Post-Earthquake USG Haiti Strategy: Toward Renewal and Economic Opportunity, the USG Presidential Feed the Future Initiative and the USAID/FORWARD initiative. In line with these Strategies and Initiatives, FTF WEST/WINNER seeks to sustainably increase incomes for rural households in Haiti, specifically in the two target corridors of Cul de Sac and Matheux.

During Fiscal Year 2012, FTF WEST/WINNER continued to focus on increasing farmers' incomes in all activities by focusing investments on five target value chains, four domestic (corn, rice, beans and plantains) and one export (mangos), in our two corridors in accordance with our new results framework. FTF WEST/WINNER implemented an integrated value-chain approach that built on past successes at the farm and regional levels. The Project intervened at each stage of value addition, working with thousands of small farmers, to expand production, processing and commercialization of key crops. It was also active in policy and enabling environment issues. As it enters its fourth year, FTF WEST/WINNER will take the necessary steps to upscale its results and ensure long term sustainability of its achievements through greater ownership of activities by partners and beneficiaries. FTF WEST/WINNER will especially seek more active participation and increased contributions from the Government of Haiti at all levels to improve the implementation of watershed management plans, and ensure appropriate maintenance of rehabilitated infrastructures.

We will further contribute to improved food security by expanding and scaling up successfully introduced technical innovations to modernize Haitian agriculture and bolster agricultural productivity while stabilizing targeted hillsides. We will continue to simultaneously strengthen value chains and engage the private sector to find markets for and add value to the increased production. Our key beneficiaries will be small farmers grouped into well-structured associations and cooperatives that will be increasingly linked to agribusinesses through mutually rewarding and sustainable business relationships.

Proprietary Information Redacted

SECTION II. OVERVIEW

A. Vision and Key Principles

The long-term vision of the FTF WEST/WINNER program is the following: “*People living within targeted corridors will have sustainably increased incomes driven by agricultural development, reduced threat from flooding, improved transportation and marketing, and a stronger private sector. Their experience will serve as a model approach to replicate both within and beyond the targeted corridors*”.

To achieve the project vision, our approach rests on providing targeted support along five key value chains. The assistance is diverse yet contributes to the project’s three intermediate results.

We assist farmers to acquire the resources and capacity to become more productive and generate higher incomes in a sustainable manner that protects the environment. We also work with the government of Haiti at various levels, the private sector and other stakeholders to promote and protect productive investments, and improve and enforce the legal and regulatory framework. We create strong economic linkages between farmer organizations and private enterprises that foster new business opportunities and lead to improved livelihoods.

A Value Chain-Centered Approach

FTF WEST/WINNER is centered on value chains and aimed at reversing the course of economic and environmental decline in targeted corridors.

We will help farmers acquire the resources and the capacity to become more productive and generate higher incomes in a sustainable manner that protects the environment.

We will work with the private sector, national and local government, and civil society organizations to build capacity and form sustainable relationships.

Our approach rests on six principles.

- *Speed and focus.* Intervene rapidly and generate tangible results, while remaining focused on the project purpose.
- *Impact.* Concentrate efforts and resources where we can maximize impact in terms of risk reduction, food production and improved livelihoods.
- *Hope and empowerment.* To stop environmental degradation and expanding poverty, provide farmers with enough resources and training to give them hope and a chance to improve their lives.
- *Support for good governance.* Work in partnership with the government, making sure activities advance its plans and approaches, while promoting compliance with laws and regulations.
- *Productive partnerships.* Foster strong and profitable partnerships between farmers and private enterprises at all stages of value chains to utilize land currently in fallow, maximize production and ensure large scale commercialization.
- *Sustainability.* Strengthen farmer organizations and set up structures and mechanisms that will continue to operate after FTF WEST/WINNER ends.

This year, we will focus on scaling up, expanding and consolidating innovations that were proven successful during the previous years, while working with our partners, beneficiaries and other stakeholders to further ensure their appropriation and foster sustainability.

B. Strategic Considerations

We have selected our activities to be perfectly in line with USAID's overall strategy under Pillar B, Food and Economic Security, and to take into account lessons learned during the first three years of project implementation. We also introduced new and specific considerations to select activities for this work plan that will guide the project through the last year of our contract:

- We reduced the number of activities by focusing on the most strategic interventions that will be completed or well advanced by September 2013, given preliminary studies already conducted in Year 3.
- We emphasized that Year 4 is a transition period towards sustainability. Among other initiatives, we decided to set up and strengthen broad-based farmer organizations that will become more sustainable and will graduate to directly receive grants from the USAID/Haiti Mission, in the spirit of USAID FORWARD.
- We involved much more the Ministries of Agriculture and the Environment in the work planning exercise to better integrate their expectations and facilitate their ownership of our activities. This new approach will pave the way to greater support and commitment from the Government of Haiti to ensure the sustainability of the structures and mechanisms we will leave behind at the end of FTF WEST/WINNER;
- We focused on ways to significantly upscale our activities and results by a broader inclusion of the GOH and private enterprises in some key activities, especially at the production and processing stages, while protecting the interests of small farmers;
- We will take steps to improve our monitoring and evaluation of our activities by hiring a firm to coordinate data collection and validation. This includes regular training of enumerators and staff on best practices.
- We decided to abandon the traditional presentation of our work plan, by region, to follow the results framework and adopt an outline based on intermediate results.

More generally, we kept in mind and updated the same key criteria and goals as last year, while preparing this work plan:

Focus on key value chains in the plains, while promoting sustainable agriculture on hillsides (IRs 1 &2).

- FTF WEST/WINNER will continue to focus on the corn, beans and rice value chains in the Cul-de-Sac corridor; and on corn, beans, and plantain value chains in the Matheux corridor. In addition, we will support the mango value chain as an export crop in all corridors, as well as in the Mirebalais/Saut d'Eau corridor. We will devote at least 80 percent of project resources to these focus crops and the infrastructure necessary for their production, protection, processing and commercialization. Results based on our interventions will be categorized by corridor on a regular basis, specifically in our quarterly/annual reports and the PMP.

- Our primary goal is to significantly increase the production of key food crops in selected corridors, working with small farmers, larger land owners and agribusinesses to apply modern techniques and intervene at all stages of value chains. FTF WEST/WINNER will gradually phase out from agricultural campaigns and rely more on the Ministry of Agriculture, the CRDDs and private enterprises to provide extension services and access to inputs to small holders. In this model geared towards sustainability, anchor agribusinesses will sign contracts this year to provide extension services and facilitate access to inputs and mechanized land preparation for farmers, who will sell them raw material at pre-agreed prices. FTF WEST/WINNER will provide technical and material assistance to those agribusinesses, so that they can effectively support farmers and contribute to expand agricultural production.
- Following an expression of interest solicited to farmers that have lands in fallow in Year 3, we will assist these farmers to put back in production hundreds of uncultivated hectares in the Cul de Sac and Matheux corridors. This initiative will help create new jobs and will revitalize the agricultural vocation in targeted plains.

Improve commercialization of agricultural products (IR 3).

- In 2011/12, we started to focus on helping farmers better commercialize their products through various channels: they launched the farmers' market called "Mache Payzan", they sold to restaurants, hotels and supermarkets; and they signed the first contracts with agribusinesses such as BRANA, which represents a multimillion dollar market. They now have their own brand and logo: "Chanpyon" which presents an image of good quality local products. They have formed regional cooperatives to buy and sell on behalf of thousands of farmers.
- In Year 4, we will continue to build on these accomplishments and we will assist farmers, Madam Sara and other participants in rural markets to modernize the way they display and sell their products. We will also improve the sanitary and environmental context in which they work and sell their products.
- The cooperatives are now organizing for comprehensive management of their marketing activities, with the goal of becoming completely autonomous by the end of the summer of 2013. However, in order to ensure that by the end of the project, the "Chanpyon" brand can be successfully independent and under the CNC's management as a federation of cooperatives, the project will provide technical assistance to ensure that several capacity areas are addressed for sustainability, particularly in establishing commercial goals for the brand. These include ensuring the development of further contractual relationships with manufacturers, as well as large buyers; promoting the shift from mere "production" to entrepreneurship and marketing; identifying new markets and building a loyal customer base; and improving the quality and market 'compliance' to ensure that the sale terms of quality, quantity, delivery time, and product presentation are respected.

- There is no profitable commercialization without appropriate post-harvest operations. We will expand our interventions to reduce post harvest losses through adequate training and promotion/distribution of small materials and equipment like silos, low cost dryers, bags, crates, moisture gauges, etc., with adequate cost-share from recipients. This kind of support, as well as the mobile collection units, the pack frames for mango and plantain, and the first packing centers for vegetables, will contribute to significantly transform the way small farmers commercialize their products.

Ensure greater access to capital and inputs (IRs 1, 2 and 3).

- We will continue to strengthen the managerial and marketing skills of our network of Farmer Inputs Stores (Boutiques d'Intrants Agricoles or BIAs) and will expand the supplier credit system that was recently started. The goal is to enable farmers to buy a broad range of inputs and pay back after harvesting and selling their products. We will federate community-based associations so that they can make bulk purchases directly from suppliers that can be financed at commercial lending rates. Over the course of the project, subsidies to the BIAs, as they federate, will decrease as the project enters its final two years. Farmer stores can then become reliable retail outlets for larger input suppliers.
- Despite recent decisions from the GOH to heavily subsidize fertilizer imports, seeds, and land preparation, we will continue to work with the Haitian government. This includes working with them in a proposed voucher system for land preparation. As of now, the GOH has not proposed any voucher system for seeds and fertilizer, although they often set the price on the sale of these goods. We will continue to collaborate with the GOH to hopefully liberalize the input markets gradually, especially commercial seed supply and distribution.

Provide more effective extension and technical support services (IR 1 and 2).

- We will train and certify 800 additional master farmers over the next year, and will increasingly work with them in our agricultural campaigns to provide proximity extension services to small farmers. We will expand the nutrition course in the master farmer curriculum and will propose new specializations such as water management, irrigation and drainage, and integrated pest management. We will continue to carefully monitor the post-certification performance and needs of master farmers and will help market their services to other projects, NGOs, agribusinesses and public institutions. We will work with the MARNDR to better integrate master farmers in their training program and create the conditions for increased sustainability of this important FTF WEST/WINNER initiative. We will conduct a survey to measure the impact of master farmers on their communities and take the necessary steps to expand this initiative. This will be conducted by focus groups, interviews, and surveys using a sample of master farmers within the year to understand the integration of better agriculture practices in their communities and the number of farmers implementing improved techniques thanks to the master farmers.

- Our CRDDs became strategic demonstration and training centers regularly visited by hundreds of farmers and agribusinesses eager to learn new practices, see improved varieties and try modern equipment. As of January 2013, the Bas Boën CRDD will be managed by an association including representatives of the MARNDR, the school of agriculture, farmer organizations, local municipalities and the private sector. This association will receive a grant from FTF WEST/WINNER, as we pursue the administrative procedures to have it officially recognized as a public service entity. The CRDD offers an ideal environment for students and researchers to conduct studies and undertake research activities in many fields. We will continue to provide scholarships to final year students from the main public and private universities, who need assistance to conduct research and write their thesis. We will inaugurate the Kenscoff CRDD and will start the construction of the Montrouis CRDD before the end of 2012.

Expand innovative production systems that both increase incomes and reduce degradation (IRs 1 and 2).

- In upstream areas of the Cul de Sac and Matheux corridors, we will promote sustainable agriculture, under I.R. 2 of the new Results Framework. We will especially focus on protected and vertical agriculture through small, drip-irrigated, green houses that are increasingly popular and are being officially adopted by the Ministry of Agriculture. Our goal is to have 40,000 m² of greenhouses built by small farmers and fully operational by September 2013. We will help farmers grow high value crops under those low cost greenhouses to considerably increase their income and free up space for agro-forestry and soil conservation activities on the hillsides.
- In low lands, we will continue to focus on corn, rice and beans in the Cul de Sac corridor. In the Matheux corridor, we will especially focus on plantain, corn, rice and beans. Promoting integrated pest management, we will work with our farmers on reducing their use of chemical pesticides. We will work with farmers, especially in the Cul de Sac plain, to expand the System of Rice Intensification (SRI) as a way to increase rice yields while reducing input consumption and significantly decreasing production costs, to make Haitian rice more competitive. We will help local manufacturers produce adapted tools such as rotary weeders or direct seeders introduced by FTF WEST/WINNER to facilitate key practices and reduce labor needed for SRI.
- We will pursue our agro-forestry campaign in upper watersheds, mainly based on fruit trees and other income-generating species such as coffee, to stabilize hillsides, protect irrigation systems and other downstream agricultural investments, and foster additional revenues for small farmers. We will continue to work in partnership with DINASA, one of the major enterprises in Haiti, which bought from our farmer organizations and helped transplant more than 700,000 seedlings from March to August 2012. We will partner with more than 50 associations to transplant 2 million seedlings, whose survival rates are monitored by zone supervisors (responsables de zone), with a special focus on coffee trees, and will continue to strengthen the sense of ownership and commitment of beneficiaries. We will also combine soil conservation activities with agro-forestry campaigns by helping farmers plant thousands of trees around gullies that will be

accompanied with dry walls and gabions to reduce water velocity and sedimentation. We will better map and target hillside locations for transplantation, to be sure that we will maximize the benefits for downstream farmers and investments.

- We will adopt a value chain approach to develop mango production and commercialization, with the goal to increase mango exported by 10% by our farmer associations, particularly in the Cabaret and Cul de Sac areas. We will intervene at four levels: i) organizational capacity building of farmer organizations and training of mango producers; ii) expansion of production through improved practices and access to materials.; iii) modernization of post-harvest operations and commercialization channels by facilitating direct contacts between exporters and farmer associations, disseminating at larger scale the utilization of pack frames and crates, and setting up mobile collection centers.; iv) We will team up with agribusinesses and local organizations to build processing centers that will valorize mango rejects to make mango purée and dried mangoes.

Rebuild and maintain critical infrastructures (IRs 1, 2 and 3)

- In Year 4, a large portion of our WIF funds will be spent on physical infrastructure construction and rehabilitation works. Following detailed technical, economic and environmental studies conducted in Year 3, we will be ready to start building the diversion dam on Rivière Grise and rehabilitating three rural roads in the Cul de Sac and Matheux, as well as other roads where needed. We will clean the bed and protect the banks of the Rivière Blanche, and will pursue the rehabilitation of irrigation and drainage systems in the Cul-de-Sac and Matheux corridors. We will work with the GOH to secure firm commitments and the setting aside of funds to properly and regularly maintain the rehabilitated infrastructure, especially investments over \$1 million.
- We will emphasize the improved integration of biodiversity, and work with local organizations and governments to promote biodiversity via technical and material support. We will work to help better monitor Parc La Visite, including strengthening the surveillance capabilities of local actors, and assist farmers inside the park to undertake activities in the buffer zones. This will include financing farmers to establish nurseries of native species.
- We will implement carefully selected ravine control work through increased tree cover to protect lives of inhabitants, as well as protect agriculture related investments in productive plains. We will install a modern and reliable flood early warning system to help monitor water flows and levels in two river systems, Riviere Grise and Riviere Blanche and alert local population of imminent flooding risks. We will strengthen the water-user association established for the Rivière Grise and the Rivière Blanche irrigation systems to ensure their sound management, operation and regular maintenance. We will continue to work with stakeholders in Fond Baptiste to commit labor and resources for road maintenance. We will build up on those achievements to create new road-user associations whenever possible.

Strengthen local governance structures (IR 2)

- Instead of merely creating new committees and management groups, our approach incorporates the importance of building environmental sensitivity among government actors, as well as Chanpyon farmer cooperatives to ensure that they are good stewards of the environment, in support of FTF WEST/WINNER's six key environmental principals.
- One of our key tasks will be to facilitate the implementation of the watershed management plan for the Cul de Sac and develop one for the Matheux corridor. We will especially focus on land use/land cover maps and plans at the commune level to help local governments and stakeholders, including Chanpyon farmer groups and community associations, understand the challenges ahead and properly manage their urban, agricultural and other rural lands. We will help communes in the plain of Cul de Sac develop and enforce zoning regulations that will protect agricultural lands.
- Local government structures need comprehensive training to build up their managerial, financial and administrative skills, particularly at a time when they have a key role to play in the reconstruction of the country. FTF WEST/WINNER will organize training sessions through a participatory approach, on watershed management, contingency planning, and rural code enforcement, all increasingly critical after the devastating impact of both Hurricane Isaac and Sandy. The purpose of these training sessions with government and local actors is to illustrate good management of land occupancy for government institutions, to ensure that government institutions, including at the municipal level are able to implement watershed management plans in collaboration with local community actors and Chanpyon farmer cooperatives. One such watershed management workshop is scheduled for November 19th in Cul-de-Sac. We will work with the municipalities of Kenscoff and Petionville to develop and enforce decrees that will protect and promote local agricultural production. We will also explore possible collaborations with other USAID programs, such as Lokal+, to improve our impact.

Reverse the "dependency" attitude (IRs 1 and 2).

- We believe that farmer organizations that benefit from our technical and financial assistance must develop and demonstrate an entrepreneurial spirit. They must also respect fundamental principles that reflect their commitment to modern agricultural practices and sustainable management of natural resources. In that perspective, we will continue to strengthen the associations Chanpyon, which officially include in their bi-laws ten key principles, such as the interdiction to cut trees, the need to make compost out of vegetal residues and to develop a business plan. In the future, only the associations Chanpyon that are increasingly self-reliant and proactive will receive our support. FTF WEST/WINNER shall use the Non-U.S. Organization Pre-Award Survey (NUPAS) guidelines developed by USAID as a basis to assess the progress of these associations (i.e. organizational structure, bookkeeping and accounting system, project performance, etc.). We will also look at the level of participation of active members and the amount of accumulated assets thanks to FTF WEST/WINNER assistance. A certification and assessment is being developed, which will examine all associations Chanpyon during the

second quarter to determine their progress, and based on the results of that study, will determine which associations are no longer eligible for assistance. Initial estimations show that approximately 60% will be withheld after this assessment. FTF WEST/WINNER currently has 272 Chanpyon associations enlisted, comprising of approximately 106,000 farmers. Our main goal will be to strengthen the organizational structure and managerial skills of those associations that will behave like small enterprises with many sources of income: BIAs, tractors and other equipment, small corn or rice mills, etc. We will also assist these associations with responding to specific market demands and to be able to meet market requirements in terms of quantity, quality, and timeliness of delivery, particularly through large contracts with agribusinesses. We will finalize the creation of regional “Chanpyon” Cooperatives and a national Union of “Chanpyon” farmers that will represent “Chanpyon” farmer in many cases, especially for commercial transactions.

C. Areas and Strategies of Intervention

FTF WEST/WINNER will continue to work in the Cul de Sac and Matheux corridors and will intervene in the Mirebalais/Saut d’Eau area only to develop the mango value chain. Strategies for both corridors remain basically the same as last year, with an increased focus on integrated pest management, post harvest and commercialization activities.

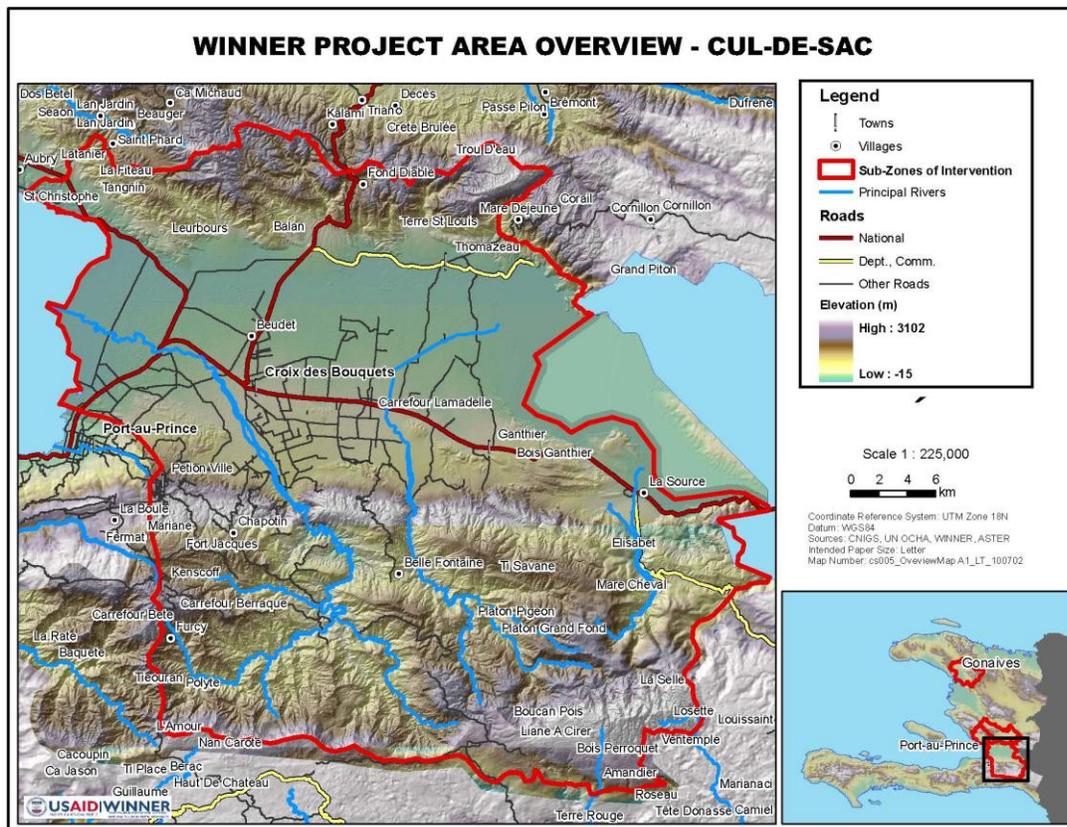
Mountain area strategies

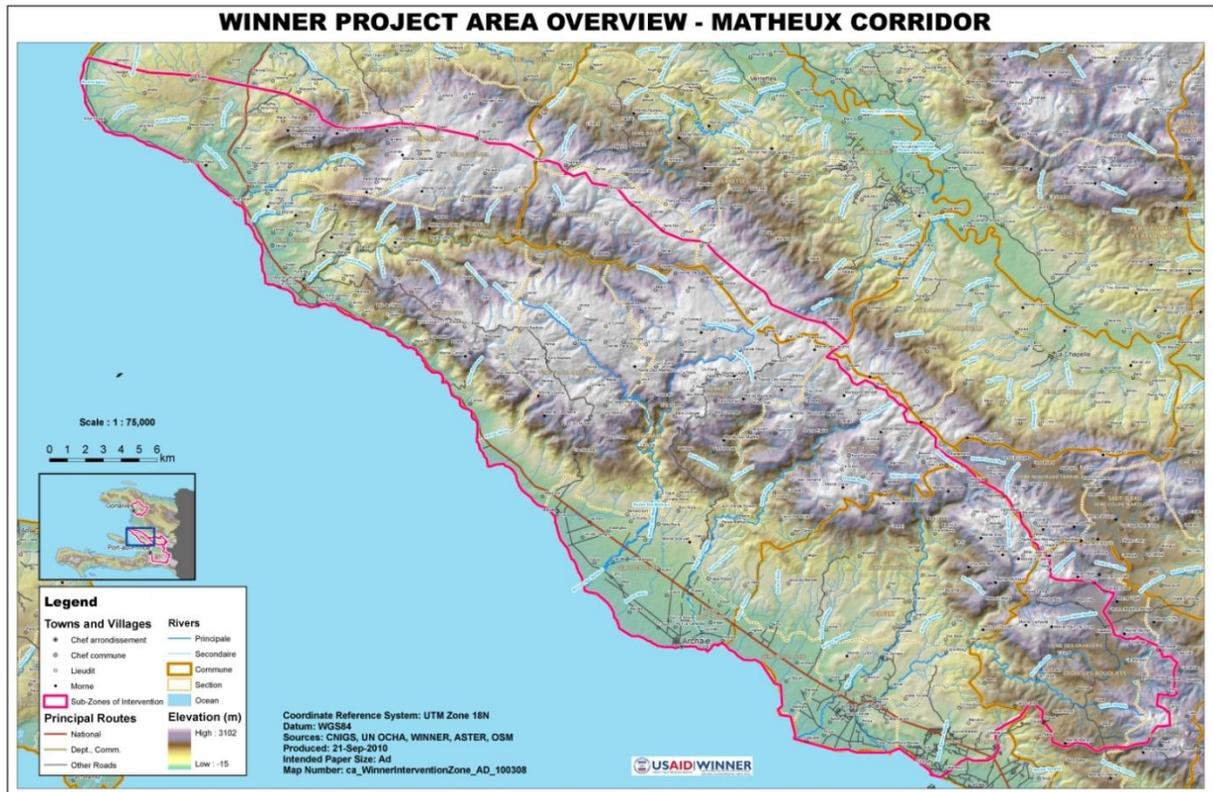
1. Support the development of high value and sustainable agriculture to considerably increase rural incomes through the multiplication of greenhouses and vertical agriculture, and free up space for agro-forestry and soil conservation initiatives;
2. Stabilize hillsides and protect the productive plains through environmental governance to provide stability and increase security.
3. Balance natural resource management with socio-economic development, including the focus of food security for upstream farmers.
4. Continue with buffer zone activities, particularly through soil conservation and agro-forestry activities;
5. Build water catchments and rehabilitate key feeder roads;
6. Reduce post harvest losses and improve commercialization techniques through appropriate training, technical innovations and the installation of modern packing centers;
7. Support producer associations and private entities interested in processing agricultural products and strengthen linkages between agribusinesses and farmer organizations; and
8. Promote, strengthen and federate farmer associations and other organizations to be sustainable and perform as small enterprises.
9. Promote biodiversity efforts, particularly in the Parc la Visite, to protect natural resources and integrate biodiversity into FTF WEST/WINNER activities.

Plain area strategies

1. Intensify agricultural systems and modernize farming techniques for corn, rice, beans and plantain to increase food security, expand production and improve farmers’ incomes;

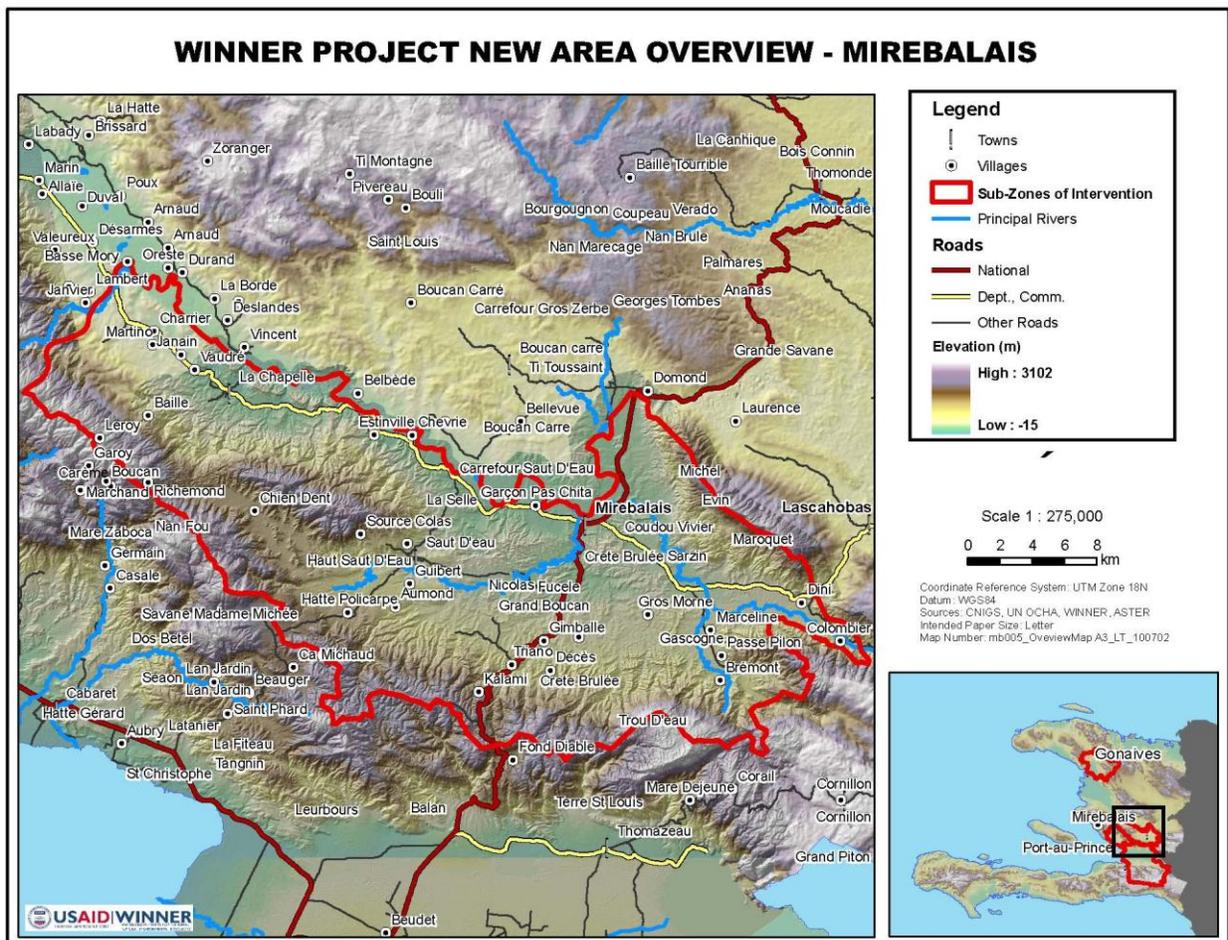
2. Rehabilitate, maintain and ensure the sound management and operation of key irrigation systems as well as key feeder roads;
3. Develop and implement watershed management and contingency plans with farmer associations and local authorities; set up a flood early warning system;
4. Reduce post harvest losses and improve commercialization techniques through appropriate training, technical innovations and the installation of modern packing centers;
5. Promote and/or expand improved and innovative technologies to process and add value to key agricultural products such as mango and plantain, support agribusiness investments, and strengthen linkages with farmer associations; and
6. Promote, strengthen and federate farmer associations and other organizations to be sustainable and perform as small enterprises.





FTF WEST/WINNER will continue to work in the region of Mirebalais and Saut d’Eau on the mango value chain, particularly to promote francisque mango value chain. Our strategy will aim to:

- Increase the production of exportable mangoes in the two communes by 10% to 15% compared to last year;
- Control and reduce the propagation of diseases during production;
- Improve local roads to better evacuate mango production;
- Multiply mobile collection centers and disseminate modern equipment to reduce post harvest losses;
- Help farmer organizations and private entities to process mangos; and
- Assist producer associations in marketing and selling their products.



D. Environmental Compliance

In Year 4, FTF WEST/WINNER will pay special attention to environmental compliance. As with all USAID projects, FTF WEST/WINNER is responsible for the implementation of the provisions of Regulation 216, and ensuring environmental compliance of all its activities. In 2011, FTF WEST/WINNER prepared a Programmatic Environmental Assessment (PEA) that identifies environmental issues and recommended mitigation measures for cluster of activities described in our work plan. The PEA was approved by the USAID Bureau Environmental Officer (BEO) and is being used to determine the environmental mitigation measures to be included in our activities. As deemed necessary, FTF WEST/WINNER prepared umbrella EMPRs to complement the PEA. We will continue to regularly monitor the implementation of these mitigation measures and report on them in the Environmental Monitoring Reports (EMRs).

In the coming year, we will continue to identify mitigation measures that apply to all FTF WEST/WINNER activities and to monitor the implementation of these measures in the field. Further, we will prepare full environmental assessments (EAs) prior to starting major infrastructure projects (e.g., roads, dam) or projects deserving special environmental considerations. FTF WEST/WINNER will continue to work closely with the Mission Environmental Officer and the Regional Environmental Advisor to ensure its full compliance with Reg 216.

FTF WEST/WINNER is already training Master Farmers in environmental management. In addition, we plan to train farmers in integrated pest management and the proper use and application of chemical pesticides and fungicides. We will be implementing demonstration plots showcasing sustainable agriculture and Integrated Pest Management at our Sustainable Rural Development Centers (CRDDs). FTF WEST/WINNER will strictly follow the mission-wide PERSUAP to promote the safe and reliable use of pesticides and fungicides. We have included a project-level activity (see Project Level 1.1.5) for the promotion of IPM and to train beneficiaries in the safe use of pesticides and fungicides. This activity will be implemented through a subcontract with Sun Mountain and the assistance of UF specialists, which will also include an update of the PERSUAP.

E. Gender Integration

We will improve our monitoring and reporting of gender integration, while implementing approaches for increased gender integration. We will utilize the gender strategy developed during summer 2012, and incorporate recommendations to identify new opportunities to impact women and women's roles positively, reduce economic vulnerability among women, and integrate women in non-traditional activities. The involvement of more women in our activities will increase incomes.

In October 2009, FTF WEST/WINNER signed an MOU with the Ministry of Women's affairs committing the project to be sensitive to gender issues and to foster the role of women in project activities. In the coming year, FTF WEST/WINNER will strengthen its relationship with the Ministry of Women's Affairs by organizing regular meetings and consultations, informing them of FTF WEST/WINNER activities and engaging them to review results and make recommendations. The Ministry of Farmer Promotion has also expressed interest in working with FTF WEST/WINNER and we have already met with the Ministry to discuss areas of collaboration on how the project could support initiatives targeted to women in farming activities.

Since the project's inception, we have tried to involve women as much as possible as project beneficiaries. About 30% of the Master Farmers receiving training are women. Of the community-based associations supported by FTF WEST/WINNER in our targeted corridors, 55% have women in their executive committees (albeit rarely in leadership positions), and 52% of the members of these associations are women. However, women's involvement in leadership positions is low and will need to continue to provide targeted assistance to women so that they can assume greater leadership roles within the agricultural sector, and specifically within farmer associations. In addition, our assistance to women groups will feature prominently in the activities under IR3 related to the marketing of agricultural products and the rehabilitation of rural markets since women are disproportionately involved in the marketing of agricultural goods. Conversely, men are still the primary beneficiaries of transformation, public-private partnership, and other value addition activities and so we will work with women intermediaries to foster value chain integration and commercial linkages between farmers and markets. We will utilize the data collected through our monitoring and evaluation system to identify differing trends among male and female beneficiaries. This will inform activity development and implementation and ensure that FTF WEST/WINNER is reaching women and addressing constraints.

Some examples of how we will integrate gender considerations in FTF WEST/WINNER 2012-2013 activities are presented below:

IR1:

- Make Master Farmer trainings more accessible to women and increase the number of women Master Farmers. Adjustments include adapting the training time and location and updating the materials so that they are more accessible to low literacy populations, specifically women.
- Continue to support women's access to inputs and mechanized land preparation and encourage processing activities during the agricultural campaigns. This includes training women in the operation of tractors. Provide technical assistance and strategies on how to best maximize small plot sizes as women tend to have access to smaller plots of land than men.
- Build women's capacity in leadership by providing female members of producer associations with targeted training and promoting women's leadership in the associations Chanpyon and federations supported by FTF WEST/WINNER.

IR 2:

- Ensure women are represented in water users associations and that women are consulted on household and community needs to inform the planning of FTF WEST/WINNER's irrigation and watershed protection projects.
- Ensure women are involved and benefit from investments in greenhouses and other hillside technologies.

IR 3:

- Include women in the consultation process when planning for road rehabilitation and in the road maintenance committees.
- Promote women in transformation/processing opportunities by collaborating with women entrepreneurs and associations to improve processing or value-added activities.
- Evaluate options for mango value chain sales to ensure women are benefiting from most profitable points in the value chain
- Collaborate with Madan Saras to train women on the proper use of equipment to maximize commercialization (crates, tents, etc.).

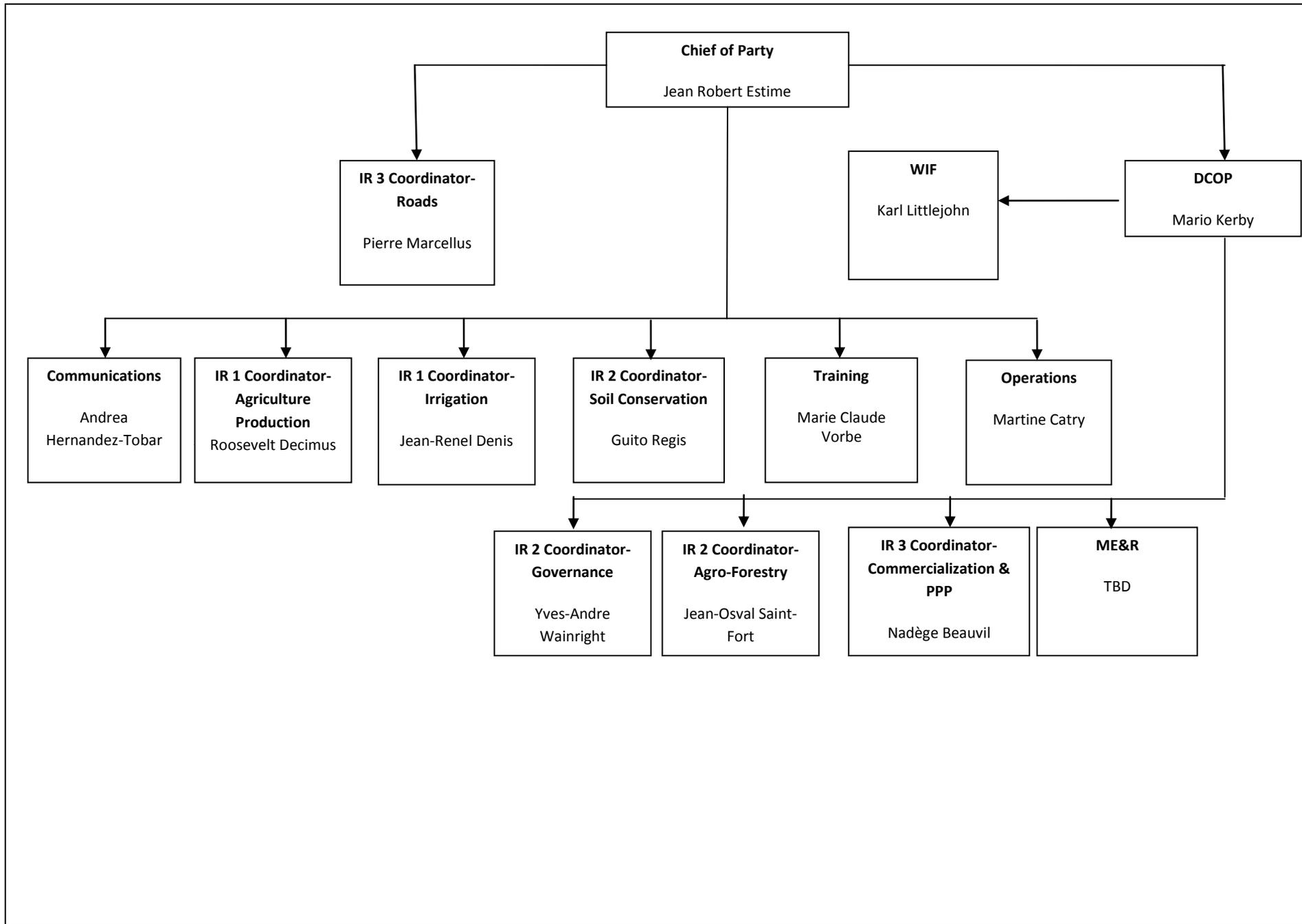
F. Operations and Management

In the period covered by this work plan, the project will operate in the following locations:

1. Main offices in Port-au-Prince,
2. A sub-regional office in Kenscoff that covers the hillside areas of the Cul-de-Sac corridor,
3. A sub-regional office in Bas Boën that covers the Cul-de-Sac plain area, and
4. A regional office in Montrouis for the Matheux corridor.

FTF WEST/WINNER also supports the CRDDs in Bas Boën, Duvier, Kenscoff, and the Matheux. In year 4, we will focus on transferring the management of the CRDDs to formal entities in Bas Boën, Duvier and Kenscoff.

Proprietary Information Redacted



FTF WEST/WINNER Team as of October 01, 2012					
	Port-au-Prince	Bas Boën	Kenscoff/ Duvier	Matheux	TOTAL
LONG TERM					
Administration*	26	5	5	9	
Technical Staff	28	5	5	5	
Watershed Investment Fund	12	0	0	0	
TOTAL LONG TERM	66	10	10	14	

(*) includes drivers, maintenance and cleaning personnel

G. Watershed Investment Fund

The main vehicle for FTF WEST/WINNER implementation is the Watershed Investment Fund (WIF). This fund, implemented via various agreement mechanisms as reflected in the WIF Manual, is used to implement broad scale investments in the selected corridors. The WIF is designed to ensure maximum flexibility to utilize local resources and promote capacity building while remaining agile to promote collaboration with other USAID projects and donors, take advantage of windows of opportunity, and quickly adapting to changing conditions as new information is available or new problems are encountered.

The WIF is implemented based on the following overarching principles:

- Balancing strategic long-term objectives with the need to adapt to rapidly changing environmental conditions and priorities.
- Strengthening institutional and local capacity so that local communities retain ownership of the activities.
- Strategic outreach to local communities, civil society organizations, businesses, and local government to promote a bottom-up holistic approach to strengthen impact and ensure involvement of key stakeholders.
- Building on the accomplishments of past and current projects and overall coordination with multiple donors and projects to maximize resources.
- Effective and coordinated programming keeping overall strategy in mind at all times and maintaining consistency in project communications and outreach.

The FTF WEST/WINNER approach to WIF activities aims to use processes that can be easily understood by implementing partners and FTF WEST/WINNER staff, speed and flexibility, and

a hand-in-hand approach with partners. This approach will continue to result in high-quality activities that will support FTF WEST/WINNER objectives in our fourth year.

FTF WEST/WINNER policies and procedures are designed to award grants, subcontracts, direct procurement of goods and services, short-term technical assistance (STTA), and training in a flexible, rapid, and fully compliant fashion that is responsive to locally identified priorities. Regardless of the implementation mechanism used, WIF procedures emphasize simplicity, accountability, transparency, speed of implementation, and flexibility.

All FTF WEST/WINNER staff will continually be involved in the WIF and will receive ongoing training on how to engage WIF resources and the eligible organizations for each funding mechanism. WIF managers work in close coordination with FTF WEST/WINNER technical staff during the planning, solicitation, awarding, and monitoring of each activity, while WIF staff work with technical staff to support the success of the WIF partner organizations.

FTF WEST/WINNER grantees and subcontractors range from newly emerging community groups who may be working with donor funding for the first time, to well-established organizations with a long history of implementing USAID-funded programs. For the newly-emerging groups, FTF WEST/WINNER works to improve the capacity of the organizations and provides additional opportunities for capacity building throughout their relationship with FTF WEST/WINNER.

Proprietary Information Redacted

H. Budget Summary

Proprietary Information Redacted

Proprietary Information Redacted

I. Communications Plan

In light of the various project's components, our communications plan uses a multi-faceted approach that documents and supports the visible impacts the project seeks to create. While traditional communications tools are still a critical component of FTF WEST/WINNER's approach, it also incorporates innovative video, photography, and social media tools. The communications plan has several objectives: (1) make the public aware of FTF WEST/WINNER activities and achievements, and subsequently USAID's investments in the sector; (2) foster replication and scaling up of the best practices and results; (3) continue to develop and implement outreach and communication tools to strengthen the capacity of beneficiaries, particularly community-based groups; (4) develop communication training tools that will continue to be used after FTF WEST/WINNER; and (5) showcase the achievements of beneficiaries to inspire others, and promote their expansion. All of these objectives foster the sustainability and adoption of FTF WEST/WINNER best practices to scale up the project results. The specific communications activities that FTF WEST/WINNER will undertake are listed below.

- ***FTF WEST/WINNER web site and social media presence.*** The project will expand its existing web site to include educational materials that maximize outreach and information sharing among beneficiaries and citizens. Educational posters, illustrative of our approach, results and messages will be placed in partner and beneficiary offices, including farmer associations. We will also continue to educate the general public about FTF WEST/WINNER's activities through the distribution of our communications toolkit and materials in events such as the Mache Payzan. Lastly, we will continue to showcase both men and women in project communications products in order to further promote women in agriculture and promote messages of gender equality.
- ***Project-generated videos.*** In light of the low literacy level of most our beneficiaries, the project will privilege the use of videos to "tell our story". The project has already begun documenting its work and has generated positive attention for the videos already produced. The project will also develop short audio video on major events, accomplishments and educative "how-to" documentaries on new proven agricultural production techniques.
- ***TV and Radio shows.*** The project will keep on sharing its approach and results through its radio show "Action et Développement" which showcases activities directly linked to FTF WEST/WINNER's goal and objectives. On a monthly basis, FTF WEST/WINNER

hosts a television and radio program on Tele Radio Metropole. Each program focuses on a specific topic related to agricultural production and modernization, providing viewers and auditors the opportunity to call and ask questions. The program aims at promoting agribusiness and agriculture as a business.

- **Success stories and News Flashes** The project delivers monthly success stories to USAID, and captures note-worthy news, information and events in its *News flashes and E-Bulletins* which are shared with USAID, partners and posted on its website. In the coming year, FTF WEST/WINNER will strive to regularly highlight successful female beneficiaries in an effort to showcase women farmers and businesswomen who are benefitting from FTF WEST/WINNER technical assistance, and who are making a difference and provide women with positive role-models.

K. MONITORING AND EVALUATION

Our monitoring, evaluation, and reporting helps the project stay on track with our work plan activities, identify needed adjustments, report to USAID, and share lessons and successes with the larger community. We will prepare a revised Performance Monitoring Plan (PMP) to align with the 2012-2013 Work-Plan. Specifically, this PMP will feature a revised list of indicators, after discussions with USAID. After undergoing an internal review, we are in the process of instituting a comprehensive filing system for monitoring and evaluation data to ensure full compliance with the Data Quality Assessment (DQA) process. In the coming year, given the greater emphasis on M&E, we will develop an M&E data base linking activities to indicators and results. We will hire a firm to help improve data collection and evaluation of our activities. We also plan to make greater use of GIS tools to present results and potential long-term impacts of FTF WEST/WINNER activities. Lastly, we plan to conduct a regular analysis of our project data, disaggregated by sex, to identify trends and differences in performance of male and female farmers as well as differences in adoption rates. After identifying differences, we will collect additional contextual data to understand the differences and modify our activities to address constraints, ensure that men and women are benefitting equally and maximize results.

The updated list of FTF WEST/WINNER indicators that conform to USAID’s new USAID Haiti strategy and to the objectives of the Feed the Future initiative are presented in the table below.

Indicator Code	Indicator	Unit of measure	Disaggregated by
Pillar B Objective: Inclusive Agricultural Sector Growth			
4.5-1	Per capita income (as proxied by expenditures or assets) of USG assisted beneficiaries	\$	Gendered household type

Indicator Code	Indicator	Unit of measure	Disaggregated by
	Proportion of female participants in USG-assisted programs designed to increase access to productive economic resources (assets, credit, income or employment)	%	
IR1: Agricultural Productivity Increased			
IR1.1 4.5-4	Gross margin per hectare of selected crops in targeted corridors	#	Commodity and corridors Gendered household type
IR1.2	% increase in yield per hectare in the targeted corridors	%	Commodity and corridor
IR 1.3	Yield per hectare in the targeted corridors	Kg/ha	Commodity and corridor
Program Element 5.5.1. Agricultural Enabling Environment			
Agricultural Services and Institutional Strengthening			
4.5.1.24 FTF	<p>Policies/Regulations/Administrative Procedures in each of the following stages of development as a result of USG assistance in each case:</p> <p>Stage 1: Analyzed</p> <p>Stage 2: Drafted and presented for public/stakeholder consultation</p> <p>Stage 3: Presented for legislation/decree</p> <p>Stage 4: Passed/approved</p> <p>Stage 5: Passed for which implementation has begun (S)</p>	#	<p>None</p> <p>Disaggregated by Sector:</p> <p>Inputs (e.g. seed, fertilizer)</p> <ul style="list-style-type: none"> • Outputs (e.g. rice, maize) • Macroeconomic (e.g. exchange rate) • Agricultural sector-wide (e.g. wage rate for agricultural labor) • Research, extension, information, and other public service • Food security/vulnerable (e.g. safety net) • Climate change adaptation or natural resource management (NRM) (agriculture-related)None
Program Element 4.5.2 Agricultural Sector Capacity			

Indicator Code	Indicator	Unit of measure	Disaggregated by
4.5.2.17 F	Percent change in value of international exports of targeted commodities as a result of USG assistance	#	None
4.5.2.36 FTF	Value of exports of targeted commodities as a result of USG assistance	\$	Commodity trade in all of our economic corridors Destination: -Regional (value of exports sent within the region), -Outside of Region (value of exports going outside of region)
4.5.2.2 FTF	Number of additional hectares under improved technologies or management practices as a result of USG assistance	#	Corridor and outside corridor Technology type
New FtF	# of hectares with new /improved irrigation and drainage services		
4.5.2.4 Custom	Number of agricultural-related firms benefiting directly from USG-supported interventions	\$	None
4.5.2.39 FTF	Number of technologies or management practices in one of the following phases of development: <input type="checkbox"/> ...in Phase I: under research as a result of USG assistance <input type="checkbox"/> ...in Phase II: under field testing as a result of USG assistance <input type="checkbox"/> ...in Phase III: made available for transfer as a result of USG assistance	#	Corridor and type of technology
4.5.2.5 FTF	Number of farmers or others who have applied new technologies or management practices as a result of USG assistance	#	peopleCorridor Sex: M/F New vs Continuing
4.5.2.7 FTF	Number of individuals who have received USG supported short-term agricultural sector productivity or food security training	#	personsCorridor Sex: M/F Type of individual: -Producers -People in government -People in private sector firms -People in civil society (e.g. NGOs, CBOs, CSOs, research and academic organizations)
IR2: Watershed Stability Improved			

Indicator Code	Indicator	Unit of measure	Disaggregated by
FTF WEST/WINNER 1	Number of hectares of hillsides protected thanks to USG interventions	#	Subwatershed and corridor
FTF WEST/WINNER 2	Volume of soil preserved in upper watershed areas	#	Subwatershed and corridor
Program Element 4.8.1: Natural Resources and Biodiversity			
FTF WEST/WINNER 3	Kilometers of mechanical structures built/rehabilitated	#	Corridor
FTF WEST/WINNER 4	Number of policies, laws and land use regulations implemented	#	Corridor
FTF WEST/WINNER 5	Number of sub-watershed management bodies formed and strengthened	#	None
FTF WEST/WINNER 6	Number of productive trees planted	#	Type of tree
FTF WEST/WINNER 7	% survival rate of trees planted	#	Type of tree
4.8.1.4	Number of hectares under improved natural resources management as a result of USG support	#	Hillside Foothills Plain/valley Plateau
4.8.1.1F	Number of hectares of biological significance and/or natural resources showing improved biophysical conditions as a result of USG assistance	#	None
4.8.1.26 F	Number of hectares of biological significance and or natural resources under improved management as a result of USG assistance	#	None
4.8.1.5 F	Number of people receiving USG supported training in natural resources management and/or biodiversity conservation, who then go train other people.	#	Corridor Sex (Male / Female)
4.8.1.6 F	Number of people with increased economic benefits derived from sustainable resource management and conservation as a result of USAID assistance	#	Corridor (Male / Female) -

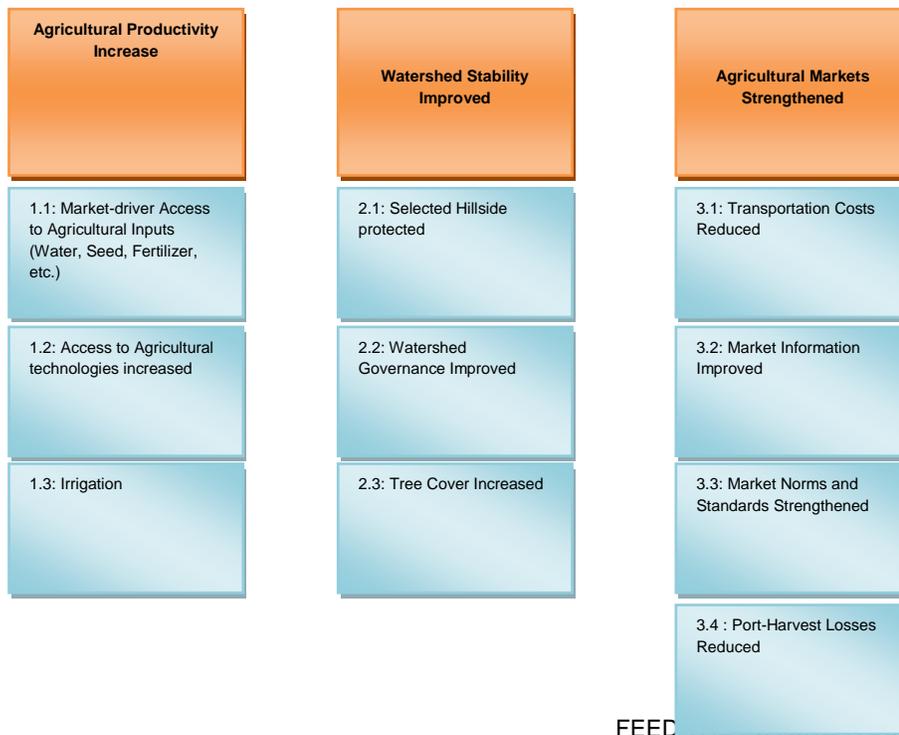
Indicator Code	Indicator	Unit of measure	Disaggregated by
4.8.2.26 FF	Number of stakeholders with increased capacity to adapt to the impacts of climate variability and change as a result of USG assistance	#	Implementing risk-reducing practices or actions to improve resilience to climate change Using climate information in decision making
IR 3: Agricultural Markets Strengthened			
4.5.2.23 FTF	Value of incremental sales (collected at farm level) attributed to FTF implementation	\$	Commodity
4.5.2.38 FTF	Value of new private sector investments in the agricultural sector and food chain leveraged by FTF implementation	\$	None
DCA	# of producer associations referred for loans		
FTF WEST/WINNER 8	Value of agriculture business sales	\$	Input store Storage Processing/packaging
FTF WEST/WINNER 9	Number of farmers using market information generated through project assistance	#	Male / Female and by corridor
Program Element 4.4.3: Transport Services (Infrastructure and Rural Roads)			
4.4.3.3 F (former) and 4.5.1.17 FTF	Kilometers of roads improved or constructed	#	Corridor Improved vs. constructed
4.4.3.7 F	Number of beneficiaries receiving improved transport services due to USG assistance	#	Corridor Sex (M/F)
FTF WEST/WINNER 10	Number of kilometers of irrigation systems repaired	#	Corridor
FTF WEST/WINNER 11	# of hectares under new/rehabilitated irrigation systems	#	Corridor
Cross Cutting Indicators			
Program Element 4.5.1: Enabling Environment			
4.5.1.7 FTF	Number of institutions/organizations undergoing capacity/ competency assessments as a result of USG assistance	#	Corridor
4.5.1.3 FTF	Number of institutions/organizations with assessments presented for consultation as a result of USG assistance	#	Corridor

Indicator Code	Indicator	Unit of measure	Disaggregated by
4.5.1.8 FTF	Number of institutions/organizations undertaking capacity/competency strengthening as a result of USG assistance	#	Corridor
4.5.1.5 FTF	Number of institutions/organizations making significant improvements based on recommendations made via USG supported assessment	#	Corridor
4.1.5.6 FTF	Number of institutions/organizations that are mature/viable as a result of USG assistance	#	Corridor
4.5.1.27 FtF	and CBLD-5 Score, in percent, of combined key areas of organization capacity amongst USG direct and indirect local implementing partners (S)		
Program Element 4.5.2: Agricultural Sector Productivity			
4.5.2.3 FTF	Number of firms (excluding farms) or civil society organizations engaged in agricultural and food-security-related manufacturing and services now operating more profitably (at or above cost) because of USG assistance	#	Type or organization Firm/CSO (new vs. continuing)
4.5.2.11 FTF	Number of private enterprises, producer organizations, water users associations, women's groups, trade and business associations, and community-based organizations (CBOs) receiving USG assistance	#	Type or organization (new vs. continuing)
4.5.2.28 FTF	producer organizations, water users associations, women's groups, trade and business associations, and community-based organizations (CBOs) that applied new technologies or management practices as a result of USG assistance	#	Type or organization (new vs. continuing)
4.5.2.12 FTF	Number of public-private partnerships formed as a result of USG assistance	#	Types of partnerships: Agricultural production Agricultural post-harvest Transformation
4.5.2.13 FTF	Number of rural households benefiting directly from USG interventions	#	Corridor Gender household type
4.5.2 FTF	Number of jobs attributed to FTF implementation	#	Gender of job holder New vs. continuing

For the indicators related to institutional/organizational capacity building (4.5.127) we will use the Partner Institutional Capacity Assessment (PIVA) tool developed by USAID. Under this methodology, organizations will be evaluated in six areas of competency (governance and

leadership, operations and management systems, human resources development, financial management, program and service delivery, and external relations and advocacy). For each of these competency areas, organizations are scored based on their stage of development (nascent, emerging, consolidating, and viable). We have developed a data base of community-based organizations supported by FTF WEST/WINNER and we will provide a baseline score for each organization in the first quarter of FY 2012. We will then follow the progress of these organizations and update their scores on a regular basis to capture the impact of our capacity building activities.

L. RESULTS FRAMEWORK



SECTION III. AGRICULTURAL PRODUCTIVITY INCREASED (IR 1)

INTRODUCTION

This section presents the proposed FTF WEST/WINNER activities in the Cul-de-Sac and Matheux corridors linked to Intermediate Result 1 (Increased Agricultural Productivity). Sustainable increase of agricultural productivity remains a key component of the Feed the Future initiative and FTF WEST/WINNER program. Across the target corridors and value chains, FTF WEST/WINNER will build on results to date to increase rural incomes through agricultural modernization, increase food security and transition towards sustainability by building the capacity of farmer associations and local institutions, including the CRDDs.

Increasing agricultural productivity will be achieved through:

- Agricultural Campaigns, including increased access to improved agricultural inputs, soil preparation and extension services;
- The services provided at the CRDDs in Bas Boën, Kenscoff and Matheux;
- The assistance of trained and certified Master Farmers; and
- The improvement / rehabilitation, sound operation and regular maintenance of strategic irrigation and drainage systems.

RELEVANT M&E INDICATORS

<u>IR 1: Agricultural Productivity Increased</u>	
1.1	Gross margin per unit of land, kilogram, or animal selected product
1.2	Yield per hectare in the targeted areas
1.3	Value of incremental sales (collected at farm level) attributed to FTF implementation

PROGRESS TO DATE

Sustainable Rural Development Centers (CRDD): In the Cul-de-Sac corridor, FTF WEST/WINNER has established sustainable rural development centers (CRDDs) in Bas-Boën, Kenscoff, and Duvier (near Petionville). The Bas Boën center is already a catalyst for change and has received hundreds of visitors to date. This past year, the Bas Boën CRDD conducted field trials on different crops, including two varieties of in-vitro plants of plantain, resistant to prevalent disease and these improved varieties will be transplanted to the Matheux region. FTF WEST/WINNER also made some important steps in preparing for the transfer of the Bas Boën CRDD to the Association de Gestion du CRDD de Bas Boën (AGCRDD). Specifically, we facilitated the establishment of the Bas Boën management committee. We also conducted in-depth assessment of the association's capacity and identified the support required for a smooth transfer and sound operation. FTF WEST/WINNER is also in the process of establishing a permanent CRDD in the Matheux corridor and signed a 15-year agreement for use of the land. The Matheux CRDD which will provide training to farmers in the communes of Cabaret and

Arcahaie and focus on the dissemination of improved farming techniques, focusing on plantain production.

Implementation of Agricultural Campaigns: For the past three years, FTF WEST/WINNER has been providing a comprehensive technical support package to farmers through semi-annual Agricultural Campaigns. The package includes: increased access to improved agricultural inputs (seeds, fertilizer and pesticides), soil preparation services, including mechanized soil preparation, and extension services through FTF WEST/WINNER's network of REAs (rural extension agents). For the spring-summer 2012 agricultural campaign 4,109 hectares were planted through June. Overall, nearly 4,400 farmers received technical assistance from 46 extension agents (REAs). Agricultural inputs were sold through 20 input supply stores (BIAs).

Mechanized Soil Preparation: To modernize the Haitian agricultural sector, FTF WEST/WINNER promoted mechanized soil preparation during the agricultural campaigns. During the spring-summer 2012 agricultural campaign 1,063 hectares were mechanically prepared (plowing, harrowing and furrowing) in the Cul-de-Sac plain, including 180 hectares of rice using SRI. In the Matheux corridor 280 hectares were mechanically prepared. In order to expand the use of mechanical soil preparation, FTF WEST/WINNER provided nine tractors to farmer associations (six (6) in the Cul-de-Sac plain and three (3) in the Matheux corridor). FTF WEST/WINNER provided 70 hours of technical and environmental training to tractor operators, and management training to leaders of the beneficiary farmer associations. During this coming year, FTF WEST/WINNER will continue to support and train farmer associations to foster and ensure good stewardship of the tractors, including special conditions for the legal transfer of the equipment to the association.

Training: As of September 2012, 1,582 Master Farmers have graduated from the program with close to 950 Master Farmer candidates currently in training. Thus far, we have trained close to 2,000 farmers in four basic courses (agriculture, environment, small farm management and family planning), as well as specialized courses (cereals, vegetables, soil conservation, etc.). We also selected, and gave scholarships to eight Haitians enrolled in a 2-year master's program at the University of Florida in various agriculture and natural resources related disciplines, including agribusiness development, food technology, environmental management, etc. One of them has completed his studies this summer with a 3.9 GPA, and is already using his newly acquired skills and knowledge in the country.

Irrigation and drainage systems: This past Spring, FTF WEST/WINNER rehabilitated nearly 20,000 meters of irrigation canals, installed partition gates and fixed the water intake on the right bank of the Riviere Blanche, enabling the irrigation of 4,000 hectares for the benefit of more than 3,000 farmers, on both sides of the Riviere Blanche.

A. PROMOTE MARKET-DRIVEN ACCESS TO AGRICULTURAL INPUTS (1.1)

RELEVANT M&E INDICATORS

KRA 1.1 Market-driven access to agricultural inputs

- 1.1.1 Volume of inputs sold at project-supported commercial input supply points.

A.1 CORRIDOR LEVEL ACTIVITIES

1.1.1 Strengthen and support agro-supply stores for the 2012 winter and 2013 spring/summer agricultural campaigns

Description: Under our agricultural campaigns, we will continue to provide technical assistance and capacity building to 12 agro-supply stores (BIAs) (7 in the Cul-de-Sac Corridor and 5 in the Matheux Corridor) to ensure their sustainability. Specifically, we will continue to assist with business skills training to the agro-supply store staff including finance, accounting, management, and business plan development, and will increase their environmental training to ensure compliance to Reg 216. We will also continue to provide them with technical assistance for logistical and financial management related to record keeping of inputs and corresponding sales. FTF WEST/WINNER will assist in strengthening the cooperatives, and in building the capacity of the cooperatives to organize consolidated purchase of agricultural inputs in the future with a view to lower costs beginning in the 2013 spring/summer campaign. The cooperative will also facilitate lessons learned and information sharing, especially about financial and stock management, and environmental issues. The capacity building provided by FTF WEST/WINNER will enable the agro-supply stores to be completely autonomous by the end of the program, as we have assessed that the BIAs possess approximately \$300,000 in assets as of September 30, 2012. The BIAs are currently purchasing materials and other inputs without the assistance of FTF WEST/WINNER, which we will continue to promote. We will also work to promote collaboration between the BIAs, the GOH, and local suppliers of inputs for better coordination. WINNER will hire a consultant to prepare a detailed sustainability plan for the BIAs and present preliminary results by February 2013.

In addition, through grants, FTF WEST/WINNER will assist these BIAs with the procurement of seeds, fertilizer, pesticides, agricultural tools and other inputs and materials. FTF WEST/WINNER will provide 50% of the initial funds for the procurement of these goods and commodities as in-kind grants to 3 BIAs in the Cul de Sac, and the remaining BIAs will receive 70% support for their input purchases.

a) Cul-de-Sac

<i>Zone:</i>	Cul de Sac
<i>Timing:</i>	October 2012 – April 2013 and March 2013 – September 2013
<i>Partners:</i>	MARNDR, producer groups
<i>Responsible staff:</i>	Cul de Sac sub-region Director and IR 1 Coordinator
<i>WIF cost:</i>	Proprietary Information Redacted

b) Matheux

<i>Zone:</i>	Matheux
<i>Timing:</i>	October 2012 – April 2013
<i>Partners:</i>	MARNDR, producer groups
<i>Responsible staff:</i>	Matheux sub-region Director and IR 1 Coordinator
<i>WIF cost:</i>	Proprietary Information Redacted

1.1.2 Support the agricultural campaigns with extension services to farmers in target value chains and improve overall land preparation

To accompany the sale of inputs by the BIAs, FTF WEST/WINNER will provide technical assistance to agro-businesses in the Cul de Sac plain (Moulins d’Haiti, Jamaican Boilers, MFT, GIKEN and Ti Malice for corn, rice, beans) and in the Matheux corridor (CETAI for plantain, rice, beans) in order to create market linkages, strengthen relationships with local producers and ensure that agro-businesses have access to high-quality materials for processing. We will continue to utilize the services of extension agents and master farmers to provide training and services to local producers in key value chain during our agricultural campaigns to increase and improve production so that they can meet the demands of agro-business for processing. FTF WEST/WINNER will also help improve this production by promoting better land preparation methods and integrating agro-businesses in this initiative. We will work with these agro-businesses to assess the feasibility of their providing direct extension services to farmers for specific agricultural products through the use of Master Farmers. The farmers and agro-businesses will also continue to benefit from FTF WEST/WINNER’s assistance in negotiating contracts to encourage long-term commitment and growth. Creating these relationships that integrate the services of REAs and Master Framers will result in less FTF WEST/WINNER involvement and greater sustainability.

During these campaigns, FTF WEST/WINNER will continue to disseminate improved agricultural techniques through the establishment of additional demonstration plots over approximately 150 acres in the Matheux. These plots will focus on rice SRI, plantain and bean production. As part of FTF WEST/WINNER’s Integrated Pest Management approach, rice will serve as a rotation crop with plantain to control nematodes and other diseases that affect the plantain value chain, thereby reducing the use of pesticides. With the continuing adoption of SRI, we expect rice yields to increase significantly in the Matheux corridor.

FTF WEST/WINNER will also support the return of 500 hectares of land in the plain into agriculture with the removal of shrubs under the agricultural campaign. There is a significant amount of land lying in fallow in the Cul-de-Sac plain, with the risk of becoming a target of unplanned urban sprawl. With the rehabilitation of irrigation and drainage systems, valuable agricultural land in the Cul-de-Sac plain is returning to productive agriculture. As these lands were not cultivated during the last decades, FTF WEST/WINNER will develop an EMPR for this project activity for submission to the Mission Environmental Officer’s approval.

a) Cul-de-Sac

Zone: Cul de Sac
Timing: October 2012 – September 2013
Partners: MARNDR, producer groups
Responsible staff: Cul de Sac sub-region Director and IR 1 Coordinator
WIF cost: Proprietary Information Redacted

b) Matheux

Zone: Matheux
Timing: October 2012 – September 2013
Partners: MARNDR, producer groups
Responsible staff: Matheux sub-region Director and IR 1 Coordinator
WIF cost: Proprietary Information Redacted

A.2 PROJECT LEVEL ACTIVITIES

1.1.3 Support the local seed industry

Description: One of the key constraints to the development and modernization of Haitian agriculture is that lack of locally available good quality certified seeds. With support from the UF, FTF WEST/WINNER will provide technical and material assistance in the form of equipment to at least two local companies as a PPP to expand the production and commercialization of improved and/or certified seeds of beans and cereals. The companies have been identified based on a previous study to show how the project could improve the production of commercial seeds. The equipment provided will assist in filtering, drying and packaging quality seeds for distribution. WINNER would also provide technical assistance to improve the seed quality.

Zone: All regions
Timing: September 2012 –February 2013
Partners: Farmer associations, Businesses, Financial Institutions
Responsible staff: COP and IR 1 Coordinator
WIF cost: Proprietary Information Redacted

1.1.4 Train farmers and BIAs on IPM and the safe use of agro chemicals

Description: Haitian farmers are usually not familiar with Integrated Pest Management (IPM), and are not adequately trained on the safe handling, use, application, and disposal of agricultural chemicals, especially pesticides and fungicides. There are widespread issues with occupational safety and health of farmers manipulating these products. In order to foster a comprehensive promotion of IPM, FTF WEST/WINNER will develop an IPM strategy, will train its staff in the implementation of the strategy, and with the assistance of UF, will organize hands-on training for its IR 1 team leader and another one of its agronomists in an IPM specialized-center in Florida. Furthermore, using the PERSUAP as a guide and reference, FTF WEST/WINNER will continue to provide training and technical assistance to farmers on IPM and the safe use of pesticides and fungicides through a subcontract with Sun Mountain and with support from the UF. The training

will be geared to ensuring that the provisions and recommendations of the PERSUAP are fully applied. The University of Florida will provide targeted assistance for the use of pesticides and fungicides.

<i>Zone:</i>	All regions
<i>Timing:</i>	November 2012 – June 2013
<i>Partners:</i>	Farmer associations, Sun Mountain, University of Florida
<i>Responsible staff:</i>	DCOP, Governance and Environmental Officer and IR 1 Coordinator
<i>WIF cost:</i>	Proprietary Information Redacted

B. INCREASE ACCESS TO AGRICULTURAL TECHNOLOGIES (1.2)

RELEVANT M&E INDICATORS

<i>KRA 1.2 Access to agricultural technologies increased</i>
1.2.1 Number of hectares under improved technologies or management practices as a result of USG assistance
1.2.2 Number of technologies or management practices in one of three phases of development
1.2.3 Number of farmers and others who have applied new technologies or management practices as a result of USG assistance
1.2.4 Number of private enterprises, producer organizations, water users associations, women’s groups, trade and business associations, and community based organizations (CBOs) that applied new technologies or management practices as a result of USG assistance

B.1 CORRIDOR LEVEL ACTIVITIES

1.2.1 Transfer the Bas Boën CRDD to AGCRDD and provide tractors

Description: The Bas Boën CRDD was inaugurated on May 1st 2011 and has since been under the direct management and supervision of the FTF WEST/WINNER project. In order to ensure the CRDD’s sustainability after the project’s end, FTF WEST/WINNER will transfer the CRDD to the Association de Gestion du CRDD de Bas Boën (AGCRDD) during the coming year. The transfer will be managed through a gradual process by which AGCRDD will become a direct FTF WEST/WINNER grantee through a long-term performance-based grant of one year, whose end date will be prior to that of the project, whereby FTF WEST/WINNER will provide the AGCRDD with financial, management and technical support, while the grantee will be required to meet clear benchmarks related to the implementation and provision of technical services, sound financial management and operation of the CRDD facilities, and programmatic reporting. A new director will be hired (terms of reference are already drafted), and selected members of the current technical staff of the CRDD will be transferred to the grantee as part of the grant. The University of Florida will continue its short-term technical assistance program during the

transition period. Lastly, FTF WEST/WINNER will provide the grantee with a series of strategic investments to foster their financial sustainability and increase their potential for revenue and profitability. One key role of the new director will be fund raising and the promotion of the revenue generation services provided by the CRDD in order to further ensure its financial sustainability beyond the life of FTF WEST/WINNER.

Additional investments during the transition period will include: additional land rental, (approximately 3 acres and funded by the project), 20,000 m² of greenhouses and tractors, to increase the CRDD’s ability to provide land preparation services and generate corresponding revenue. FTW WEST/WINNER will also continue to support associations that received tractors, with the CRDD supporting these associations technically in the initiative to promote better land preparation techniques to increase overall production. This activity includes additional bathrooms for visitors and trainees, the procurement of additional equipment and furniture, and the completion of the distance learning center, the food testing facilities and the plant diagnostics laboratory. Activities during the transition period will also include further staff training for the sound management and operations of the facilities.

Zone:	Bas Boën
Timing:	October 2012 – September 2013
Partners:	MARNDR, FAMV, local authorities, private sector, farmers associations
Responsible staff:	COP and Regional Director, IR 1 Engineer
WIF cost:	Proprietary Information Redacted

1.2.2 Build permanent facilities for the CRDD in Montrouis and provide tractors

Description: The CRDD site originally identified in Cabaret where a model farm is currently operating, is subject to land tenure conflict, thus FTF WEST/WINNER identified a new site near Montrouis. This year, FTF WEST/WINNER will undertake the construction of the CRDD (training center, administrative office, dormitory, cafeteria, and a facility for equipment storage) beginning in the second quarter and provide equipment such as tractors and laboratory equipment. Tractors will also be provided to other associations in the region, with the CRDD supporting these associations technically in the initiative to promote better land preparation techniques to increase overall production. The CRDD will showcase best practices for the production of target crops in the Matheux corridor, specifically plantain production and SRI. In particular, the goal is to have the CRDD become a primary center for plantain research in the region by housing tissue culture facilities for plantain. Infrastructure will also include the digging of a well for regular water supply for the demonstration fields and other facilities. Concurrently with the physical construction, FTF WEST/WINNER will facilitate the development of the legal and institutional framework for the operation of the CRDD as a public-private shared management structure with FTF WEST/WINNER technical and financial assistance while also integrating key partners, such as the French Research Institute, to support the activity. FTW WEST/WINNER will also continue to support associations that received tractors, with the CRDD supporting these associations technically in the initiative to promote better land preparation techniques to increase overall production. We have established the following schedule for the construction of the CRDD:

December 2012: Finalization of the design of the CRDD
 March 2013: Submission to USAID for approval of subcontract
 April 2013: Beginning of the construction work of the CRDD
 October 2013: Final acceptance of completed work
 November 2013: Inauguration of the Montrouis CRDD

Zone: Matheux corridor (lowland areas)
Timing: October 2012 – September 2013
Partners: Local association, Ministry of Agriculture, an Agricultural School, private sector and local farmers
Responsible staff: IR 2 Coordinator, Regional Director
WIF cost:

Proprietary Information Redacted

B.2 PROJECT LEVEL ACTIVITIES

1.2.3 Continue the training of Master Farmers

Description: The master farmers are key members of FTF WEST/WINNER agricultural extension system. We will continue to develop, improve and implement training programs for the master farmers to increase their expertise in certain crops and the production systems of their specific zone. In addition to the general training, each master farmer will develop special expertise and skills in one or two crops. The training program will be by cycles in order to take advantage of the calendar of FTF WEST/WINNER’s target value chains. We will continue to provide incentives for the graduated Master Farmers to be productively engaged as extension agents or as resources persons for the expansion of modern agriculture in FTF WEST/WINNER’s corridors through private sector investment.

This year our efforts will concentrate on building or consolidating the foundation for the expansion and continuation of the Master Farmer services beyond FTF WEST/WINNER’s assistance. FTF WEST/WINNER plans to train at least 2,000 additional Master Farmers. We will review and revise the training materials to include more visual tools and practical information more adapted to less literate farmers, and modules related to conflict mitigation and resolution, and nutrition. We will help Master Farmers to develop niche expertise and can then be integrated in other FTF WEST/WINNER grant activities aimed at building the capacity of other organizations. FTF WEST/WINNER will be strategic in integrating Master Farmers in other FTF WEST/WINNER activities in order to both provide them with diverse experience and stimulate demand for their services.

This includes master farmers under the Tarasse and La Branle CRDD transferred to the Ebenezer Foundation and OPLA. Management and operation of both facilities are satisfactory, and to ensure the success and improve the soundness of the technical services provided to local farmers, FTF WEST/WINNER will conduct a new round of training organized from its Montrouis office for the Masters Farmers focusing on improving their skills as trainers per the conditions

stipulated during our phase-out of the region in a memorandum of understanding to protect previous USAID investments in the region.

Finally, FTF WEST/WINNER will engage the Ministry of Agriculture and selected agro-businesses to take ownership of the program so that they can integrate Master Farmers and their services into their own extension programs. To ensure the program sustainability, we will partner with agro-business and implement a campaign to market Master Farmer services within the target corridors. FTF WEST/WINNER will continue to work with the Master Farmers on the development of individual demonstration plots to showcase and market improved methods and practices in their community. We will continue to encourage them to create their own associations so that they can establish themselves as community leaders able to influence fellow farmers. Lastly, we will encourage them to become champions for female farmers.

<i>Zone:</i>	All regions
<i>Timing:</i>	October 2012 - September 2012
<i>Partners:</i>	Farmer associations, Businesses, FDI, University of Florida, Ebenezer Foundation, OPLA
<i>Responsible staff:</i>	Training Director, and IR 1 Coordinator
<i>WIF cost:</i>	Proprietary Information Redacted

1.2.4 Provide scholarship to university students in agriculture sector management and research in Haiti and the University of Florida

Description: FTF WEST/WINNER will launch a second round of its scholarship program in Haiti to support agricultural university students in their research studies, by collaborating with local universities to provide financial support to students completing their research thesis. Specifically, some of these students will serve as interns at the Bas Boën CRDD laboratory. In addition, FTF WEST/WINNER will also continue its scholarship program for eight Haitian students, who were granted scholarships in 2010 for a two-year Master’s degree program at the University of Florida in Gainesville in areas related to agriculture, agribusiness, the environment, etc. They are acquiring new skills and knowledge in order to support rural agricultural development in Haiti. They will all complete their studies and research by the spring 2013 semester term.

<i>Zone:</i>	Plain/Piedmont
<i>Timing:</i>	October 2012 – September 2013
<i>Partners:</i>	FAMV, University of Notre Dame, Quisqueya, University of Episcopale , University of Florida
<i>Responsible staff:</i>	Training Director, IR 1 Coordinator, Regional Director, Cul de Sac sub-region Director
<i>WIF cost:</i>	Proprietary Information Redacted

1.2.5 Provide training to farmers to increase mango production

Description: While Master Farmers will be trained on best agricultural practices according to the standard training curriculum established in all regions, there will be an additional training

program for farmers in the mango value chain. The training will focus on the proper care of mango trees and orchards to maximize production, as well as grafting, pest control, harvesting techniques and commercialization. We will work with mango producers in the area to improve production techniques and to ensure that the mangoes produced in this area meet the standards and requirements for exports. FTF WEST/WINNER will provide technical assistance to producer associations to improve their organizational capacity, ability to apply appropriate technical production schedules, and reduce post-harvest losses.

<i>Zone:</i>	Cul de Sac, Cabaret, Mirebalais and Saut d’Eau
<i>Timing:</i>	November 2012 - July 2013
<i>Partners:</i>	Existing mango groups, mango exporters, MARNDR
<i>Responsible staff:</i>	Regional Director
<i>WIF cost:</i>	Proprietary Information Redacted

1.2.6 Continue the certification and capacity-building of the associations and cooperatives “Chanpyon”

Description: This past year, FTF WEST/WINNER launched the Association “Chanpyon” program with more than 200 partner associations agreeing to include in their by-laws and adhere to 10 key principles related to an entrepreneurial spirit, modern agricultural practices, environmental compliance and sustainable natural resource management.

FTF WEST/WINNER provided them with training in administrative and financial management and accounting, and assisted in the creation of five regional federations. During the upcoming year, FTF WEST/WINNER will continue to provide technical assistance and training and will support the federations and associations to create 5 regional cooperatives benefiting from a recognized legal status. Aligned with USAID/forward goals, FTF WEST/WINNER will identify at least four associations with the potential to qualify for direct USAID funding. These associations will contribute to all three project IRs. In the spirit of USAID FORWARD, we will build the capacity of these associations to operate in accordance with USAID and USG rules and regulations and meet the established criteria for receiving direct USAID funding, with the aim to meet this goal by the end of 2013.

<i>Zone:</i>	All regions
<i>Timing:</i>	October 2012 – September 2013
<i>Partners:</i>	Farmer associations, Businesses, Financial Institutions
<i>Responsible staff:</i>	Association Capacity Building Leader
<i>WIF cost:</i>	Proprietary Information Redacted

1.2.7 Modernize extension and mobile services for farmers

Description: FTF WEST/WINNER has partnered with local mobile phone companies and other key stakeholders to use SMS technology to provide large-scale extension and marketing services to farmers. During this upcoming year, FTF WEST/WINNER will partner with the Ministry of Agriculture and the private sector to further expand the service to 15,000-20,000 people. In parallel, we will collaborate with the Government of Haiti to transition the SMS extension service so that they can adopt and implement the service themselves.

FTF WEST/WINNER will also implement and assess a mobile money pilot project within the rice value chain to provide short-term credit to small farmers and purchase raw material purchases. Specifically, FTF WEST/WINNER will collaborate with an international consultant and identified partners HIT and FEDEPAT to facilitate loans and payments for farmers, streamline the collection and management of payments for input suppliers and improve the speed and ease at which large buyers can pay small farmers. We will evaluate the pilot to assess if M-money is economically justified and contributes to improving the livelihood of farmers and other stakeholders in rural areas. FTF WEST/WINNER will also assess an ongoing M-money pilot in Kenscoff involving a FTF WEST/WINNER-supported organization which recycles plastic waste in rural markets and pays its suppliers using M-money.

<i>Zone:</i>	All regions
<i>Timing:</i>	October 2012 – September 2013
<i>Partners:</i>	Digicel, Voilà, farmer associations, Ministry of Agriculture, HIT, FEDEPAT and other local actors
<i>Responsible staff:</i>	Senior Economist and IR 1 Coordinator
<i>WIF cost:</i>	Proprietary Information Redacted

C. REHABILITATE AND MAINTAIN IRRIGATION SYSTEMS (1.3)

RELEVANT M&E INDICATORS

KRA 1.3 Irrigation
1.3.1 Number of kilometers of irrigation systems repaired

C.1 CORRIDOR LEVEL ACTIVITIES

a) Cul-de-Sac

1.3.1 Build a water diversion structure for the Riviere Grise irrigation system

Description: FTF WEST/WINNER has undertaken a temporary rehabilitation on the Riviere Grise (Bassin General) irrigation system with a fusible earth structure, which must be repaired or redone after each river flood. It is now working with CH2M Hill to design a permanent diversion dam, based on the results of a feasible study conducted earlier this year. This will provide for an expansion of the system (increase the irrigated areas), the regulation and control of water flow into the system, and the protection of downstream agricultural lands and part of the town of Croix des Bouquets at the end of the system against risks of flood. FTF WEST/WINNER will finalize the design, conduct the Environmental Assessment for USAID’s approval, and develop the tender documents. The procurement will be open to international and local firms, with the plan to start the construction activities by mid-next year for completion in 2014.

Proprietary Information Redacted

Zone: Cul de Sac Plain
Timing: October 2012 – September 2013
Partners: MARNDR, CH2MHILL
Responsible staff: IR 1 co-Leaders
WIF cost: Proprietary Information Redacted

1.3.2 Rehabilitate primary canals of the Riviere Grise irrigation system

Description: In addition to the construction of the river diversion intake, FTF WEST/WINNER will rehabilitate primary canals of the Riviere Grise in masonry and secondary canals to reduce water losses, and ensure sound distribution and management of the irrigation water. We will continue to work with the Federation of Water Users of the Rivière Grise irrigation system to ensure that the rehabilitated irrigation systems are properly maintained and managed.

Zone: Cul de Sac Plain
Timing: October 2012 – September 2013
Partners: MARNDR,
Responsible staff: IR 1 co-Leaders
WIF cost: Proprietary Information Redacted

1.3.3 Rehabilitate and supply electricity to irrigation pumps in the plain

Description: Most irrigation systems in the Bas Boën area are fed by pumping ground water. In close collaboration with the Ministry of Agriculture and the farmers associations, we have already repaired and rehabilitated 7 irrigation pumping stations, and plan to repair and rehabilitate 8 others and replace one in Bas-Boën in this fiscal year, with a view to support agricultural production increase in the area. This project activity will be implemented through sub-contracts with local firms.

FTF WEST/WINNER also completed the rehabilitation of the Bas Boën thermal power plant for regular supply of electricity to the irrigation pumps. FTF WEST/WINNER will enter into a sub-contract with ENISET (the firm which rehabilitated the station) to assist the Ministry of Agriculture with the power plant management and operation and train the operators. We have finalized and signed the MOU with EDH to ensure electricity distribution to the different pumps.

Zone: Cul de Sac Plain
Timing: October 2012 – September 2013
Partners: Contractor, MARNDR, ENISET, MICT, MTPTC, agribusiness, farmer associations
Responsible staff: IR 1 co-Leaders, Bas Boën Region Director
WIF cost: Proprietary Information Redacted

1.3.4 Clean and clear the irrigation systems for Rivière Blanche

Description: Deposits of sediment from the upper watershed have significantly reduced the carrying capacity of the Rivière Blanche, and has resulted in severe bank erosion, frequent bank breaches and flood events. FTF WEST/WINNER has acquired the services of an engineering firm to study the river banks containment and protection works necessary to reduce flood

frequency and magnitude, and protect producer plains and physical infrastructure. FTF WEST/WINNER will then launch bids for contractors to implement flood prevention and drainage infrastructure works in the Rivière Blanche. The EA started in 2012 will continue in 2013. Lastly, we will sign an MOU with the Ministry of Agriculture and ANAPAAAHAH to ensure maintenance of the system. The cost presented below includes both the study and the implementation of the infrastructure works.

<i>Zone:</i>	Cul de Sac
<i>Timing:</i>	February 2013 – September 2013
<i>Partners:</i>	Contractors, MTPTC
<i>Responsible staff:</i>	IR 1 co-Leaders, Bas Boën Region Director
<i>WIF cost:</i>	Proprietary Information Redacted

1.3.5 Conduct a study for a water diversion structure at the Rivière Blanche

Description: Building on our activities to protect and contain the river banks along the Riviere Blanche to reduce flooding frequency, we will conduct a study to determine the feasibility and options for a river intake design.

<i>Zone:</i>	Cul de Sac
<i>Timing:</i>	January 2013 – September 2013
<i>Partners:</i>	Contractors, MTPTC
<i>Responsible staff:</i>	IR 1 co-Leaders
<i>WIF cost:</i>	Proprietary Information Redacted

b) Matheux

1.3.6 Rehabilitate irrigation systems in the Matheux

Description: To support agricultural production in the area, FTF WEST/WINNER will work with the Ministry of Agriculture and the farmers groups on the rehabilitation and replacement of selected irrigation systems along Bretelle, Torcelle and Courjolles Rivers. FTF WEST/WINNER will fund the rehabilitation of the Bretelle irrigation system, the replacement of the Garricher-Prince intake (rivière Bretelle), the construction of the Cameau-Dame Fortune intake irrigation system (rivière Torcelle) and the implementation of minor canal repair works. FTF WEST/WINNER will also provide technical assistance to the users on the sound management of the irrigation systems in order to ensure its continued operations beyond the life of the FTF WEST/WINNER Project. FTF WEST/WINNER will coordinate with the French cooperation through AFD that has been working on irrigation systems in the Matheux corridor. The procurement process for all three systems is underway. Through subcontracts with engineering construction firms, FTF WEST/WINNER will undertake the banks containment works in the areas of Cameau, Coutenceau and Cazale to protect the Torcelle river irrigation system. This includes the rehabilitation of the Cameau intake irrigation system in order to provide farmers with the water needed to increase agriculture production. We are in the process of developing the

project documents for this rehabilitation work and will acquire the services of a firm to begin the rehabilitation work in early spring.

In addition, we will also rehabilitate and extend other irrigation and drainage canals that are essential to expand agricultural production in the plain areas of the Matheux corridor for FTF WEST/WINNER’s target crops (corn, plantain and beans). Many systems are in disrepair and water is not reaching farmers on a consistent basis. FTF WEST/WINNER will work to rehabilitate six irrigation canals in the plain areas between Montrouis and Saint-Marc. We have coordinated with the Ministry of Agriculture to identify canals that are not being rehabilitated by the AFD, but that are critical to enhancing agricultural productivity. We will work with farmer associations and water users associations in the region to ensure that the irrigation and drainage canal rehabilitation works provide the greatest benefits to the communities. The water user associations will work with local community partners to ensure the maintenance of the irrigation canals. We will prepare detailed cost-benefit analyses that will serve as the basis for selecting the preferred options for canal rehabilitation. FTF WEST/WINNER will conduct the necessary studies the fall and begin the rehabilitation work in February by acquiring the services of local firms.

<i>Zone:</i>	Arcahaie/Cabaret/Montrouis
<i>Timing:</i>	November 2012-September 2013
<i>Partners:</i>	Local associations, MARNDR, French cooperation (AFD)
<i>Responsible staff:</i>	Regional Engineer, Regional Director, IR 1 Irrigation Coordinator
<i>WIF cost:</i>	Proprietary Information Redacted

C.2 PROJECT LEVEL ACTIVITIES

1.3.7 Help establish and/or build capacity of water users associations

Description: We will continue to work with local farmer associations in the irrigated areas with the Ministry of Agriculture to finalize the creation of the water user associations for the operation and maintenance of the irrigation system being rehabilitated by FTF WEST/WINNER. This also includes existing associations, specifically AIPA and AIRG, which benefit from our irrigation rehabilitation support. Once the associations are established and rehabilitation is underway, we will build the association’s capacity to maintain the system through a grant mechanism. We will provide training and technical assistance to determine cost recovery mechanisms and maintenance needs to ensure the sustainability of the irrigation networks.

<i>Zone:</i>	Cul de Sac
<i>Timing:</i>	October 2012-September 2013
<i>Partners:</i>	Local farmer organizations, private sector operators, local authorities, Ministry of Agriculture
<i>Responsible staff:</i>	IR 1 co-Leaders, Socio-organizers
<i>WIF cost:</i>	Proprietary Information Redacted

1.3.8 Intervene urgently on irrigation systems to limit the effects of flooding due to natural causes (Hurricane Sandy, tropical storms, etc.)

Description: Due to the climatic conditions in Haiti and risk for tropical storms, hurricanes and flash flooding, FTF WEST/WINNER will remain flexible and able to respond quickly to minimize flooding in the plains. In particular, Tropical Storm Issac in August and Hurricane Sandy in October caused major damage to river banks and irrigation systems that caused flooding in the plain. Specifically, we will intervene promptly on irrigation systems, specifically rehabilitated irrigation systems and river infrastructure, to limit damage. These interventions will be on an as-needed basis to respond to evolving conditions and primarily during the hurricane and rainy seasons. Activities will include the procurement of equipment and operator services to clear canals.

<i>Zone:</i>	All regions
<i>Timing:</i>	October 2012-September 2013
<i>Partners:</i>	Local farmer organizations, private sector operators, local authorities, AFD, Ministry of Agriculture
<i>Responsible staff:</i>	IR 1 Irrigation Coordinator
<i>WIF cost:</i>	Proprietary Information Redacted

SECTION IV. WATERSHED STABILITY IMPROVED (IR 2)

This section presents the proposed FTF WEST/WINNER activities in the Cul-de-Sac and Matheux corridors linked to Intermediate Result 2 (Improve watershed stability). FTF WEST/WINNER will develop a sustainable approach to watershed sustainability that focuses on environmental governance at the community, local and national levels. Our approach will aim to build synergies between biodiversity, global climate change (GCC), Natural Resource Management (NRM), and Feed the Future initiatives. We will support communities to balance NRM with socio-economic development, including improving food security upstream.

Improving watershed stability will be achieved through:

- Soil conservation and ravine treatment
- Sustainable hillside agriculture, including greenhouses and small-scale agriculture
- Environmental governance, including disaster preparedness and mitigation
- Agro-Forestry, including reforestation campaigns, and coffee and mango production

RELEVANT M&E INDICATORS

IR 2: Watershed Stability Improved

- 2.1 Number of hectares under improved natural resource management as a result of USG support

Progress to Date

Sustainable Development Centers (CRDD): FTF WEST/WINNER has established sustainable rural development centers (CRDDs) in the target hillsides of Kenscoff, and Duvier (near Petionville). The Duvier CRDD was recently inaugurated on June 8, 2012 and will become a model for training and demonstration of best farming practices at the national level. The CRDD includes an administrative office, a training center, and a demonstration farm. On the farm, we conducted variety trials on beans, and experimented with different types of organic fertilizer using locally available byproducts from agricultural production. We also conducted field trials of sustainable hillside agriculture at the Kenscoff CRDD including tests of organic fertilizer; and production trials on cabbage, beans, and coffee. We also continued the work to improve the CRDD access road and to complete the construction of the CRDD buildings. A new 20,000 gallon water tank was also installed to provide water for irrigation.

Just this past spring, the Kenscoff CRDD hosted 12 field days for 400 farmers that covered topics such as pest control, drip irrigation, production under greenhouse, flower production, and the use of small mechanized tools adapted to hillside farming. FTF WEST/WINNER established management committees for both the Kenscoff and Duvier CRDD and conducted initial meetings to discuss the transition of management to the identified associations.

Greenhouses: FTF WEST/WINNER and University of Florida set up the first low-cost, green house with drip irrigation in Kenscoff. This technique of protected and vertical agriculture can generate more money per year on 70 m² than a farmer usually makes on one hectare with traditional practices. This innovative technology will free up spaces on hillsides for soil conservation and agro-forestry in the broader landscape. The program of small greenhouses for high value crops in upstream areas has proven a success and generated interest and demand from farmers. FTF WEST/WINNER is increasingly receiving new demands and the Government has decided to actively promote this technology, with a goal of 1 million m² of greenhouses built over the next 4 years. FTF WEST/WINNER gave greenhouses to 3 new organizations and trained more than one hundred farmers to set up and manage greenhouses. Our successful experience of protected agriculture with APFCK in Furcy was the subject of an article in the FTF newsletter of May 2012.

Agro-forestry activities: We developed and implemented a vast agro-forestry program as a key feature of FTF WEST/WINNER interventions in order to help small farmers plant mainly fruit trees that will rapidly generate incomes. The goal is to expand the perennial cover on hillsides to reduce erosion and improve soil conservation, while promoting alternative energies to lower the demand for charcoal and fuel wood. We worked with farmer associations in priority in areas where we can combine agro-forestry activities with ravine treatments to reduce run-offs and stabilize eroded hillsides. This past spring, FTF WEST/WINNER supported the development of coffee production in its areas of intervention. Working with 110 farmer associations, we assisted with the development of 17 coffee nurseries

Soil conservation: FTF WEST/WINNER continues to implement soil conservation activities in Kenscoff, Petionville, Ganthier, Thomaeau and the Matheux corridor. Specifically, this past spring, FTF WEST/WINNER provided timely assistance after the significant damage from the heavy April rainy season. FTF WEST/WINNER supported 13 associations to stabilize more than 13 hectares of ravine, install close to 25,000 m³ of gabions and plant more than 900,000 of vetiver seedlings.

Watershed Management: FTF WEST/WINNER completed the draft watershed management plan for the Cul de Sac which includes a detailed land use land cover map and met with municipalities from target corridors to prepare for trainings in land use. We also identified a US-based company, SUTRON Corporation, to install the flood warning system in the Cul de Sac plain to reduce damage and vulnerability from floods. The system will include water level stations, siren stations and control centers. SUTRON conducted a site visit in May to confirm the exact locations and equipment needs.

A. PROTECT SELECTED HILLSIDES (2.1)

RELEVANT M&E INDICATORS

<p><i>KRA 2.1 Selected hillsides protected</i></p> <p>2.1.1 Kilometers of mechanical structures built or rehabilitated</p> <p>2.1.2 Number of hectares of hillsides protected as a result of USG interventions</p>

A.1 CORRIDOR LEVEL ACTIVITIES

2.1.1 Strengthen and support the agro-supply stores in the corridor hillsides for the 2012 winter and 2013 spring/summer agricultural campaigns

Description: We will provide technical assistance and capacity building to 7 agro-supply stores (BIAs) in hillside areas to ensure their sustainability. Specifically, we will continue to assist with business skills training to the agro-supply store staff including finance, accounting, management, and business plan development, and will increase their environmental training to ensure compliance to Reg 216. We will also continue to provide them with technical assistance for logistical and financial management related to record keeping of inputs and corresponding sales. FTF WEST/WINNER will assist in strengthening the cooperatives, and in building the capacity of the cooperatives to organize consolidated purchase of agricultural inputs in the future with a view to lower costs beginning in the 2013 spring/summer campaign. The cooperative will also facilitate lessons learned and information sharing, especially about financial and stock management, and environmental issues. The capacity building provided by FTF WEST/WINNER will enable the agro-supply stores to be completely autonomous by the end of the program, as we have assessed that the BIAs possess approximately \$300,000 in assets as of September 30, 2012. The BIAs are currently purchasing materials and other inputs without the assistance of FTF WEST/WINNER, which we will continue to promote. We will also work to promote collaboration between the BIAs, the GOH, and local suppliers of inputs for better coordination. WINNER will hire a consultant to prepare a detailed sustainability plan for the BIAs and present preliminary results by February 2013.

Through grants, FTF WEST/WINNER will also assist the targeted agro-supply stores (BIAs) with seeds, including bean and potato, fertilizer, pesticides, agricultural tools and other inputs and materials for the 2012 winter bean campaign and the 2013 spring/summer agricultural campaign. FTF WEST/WINNER will provide 70% of the initial funds for the procurement of these goods and commodities as in-kind grants to the BIAs.

a) Cul-de-Sac

<i>Zone:</i>	Kenscoff, Duvier
<i>Timing:</i>	October 2012 – September 2013
<i>Partners:</i>	MARNDR, Local Authorities, master farmers, farmers associations
<i>Responsible staff:</i>	<u>IR 1 Coordinator and Regional Director</u>
<i>WIF cost:</i>	Proprietary Information Redacted

b) Matheux

<i>Zone:</i>	Matheux
<i>Timing:</i>	October 2012 – April 2013
<i>Partners:</i>	MARNDR, producer groups
<i>Responsible staff:</i>	Matheux sub-region Director and IR 1 Coordinator
<i>WIF cost:</i>	Proprietary Information Redacted

2.1.2 Implement soil conservation activities and reduce sedimentation

Description: In the period covered by this work plan, FTF WEST/WINNER will perform soil conservation work on ravines in the Cul de Sac and Matheux area. This will continue the program of stabilization of priority ravines identified to protect the productive plains and reduce erosion and sedimentation. Stabilization works include a focus on biodiversity and vegetation cover at strategic areas, via increased tree cover and vetiver, to ensure maximum hillside protection. This intervention will be selected strategically to ensure the protection of potentially productive farmland in the Cul-de-Sac and Matheux plains. This soil conservation effort will be accompanied by the installation of physical infrastructure, such as gabions, to compliment our efforts in increased vegetation cover and reduce sediment in downstream irrigation systems. We will ensure that the soil conservation and ravine treatment activities are sustainable and that community-based organizations involved in soil conservation are strengthened and trained in the maintenance of the systems. This also includes close collaborations with local governments to commit towards the maintenance of the ravines after completion.

a) Cul-de-Sac

<i>Zone:</i>	Piedmont & Mountains
<i>Timing:</i>	October 2012 – September 2013
<i>Partners:</i>	Watershed management groups, farmers associations, community organizations, local governments and local NGOs
<i>Responsible staff:</i>	IR 2 Coordinator, Regional Director and Cul de Sac sub-region Director
<i>WIF cost:</i>	Proprietary Information Redacted

b) Matheux

<i>Zone:</i>	Cabaret- Montrouis, St-Marc
<i>Timing:</i>	October 2012-September 2013
<i>Partners:</i>	Local authorities, Ministry of Agriculture, Ministry of Environment
<i>Responsible staff:</i>	IR 2 Coordinator, Regional Director
<i>WIF cost:</i>	Proprietary Information Redacted

2.1.3 Promote sustainable hillside agriculture and alternative income generation

Description: FTF WEST/WINNER will provide technical assistance and support to hillside farmers to implement sustainable agricultural practices on hillsides. Our assistance will focus on improving production techniques on terraces or under greenhouses to increase yields and improve farmer incomes. We will encourage farmers to abandon farming on steep slopes and to plant trees where they used to farm. We will support the growing of cash generating hillside crops such as cabbage, leeks, potatoes and carrots; as well as products suitable for greenhouse production (lettuce, flowers). This includes improving land preparation techniques through the use of mechanical tillers to improve agriculture production and increase income for farmers. We will also continue supporting hillside horticulture through a grant to APFCK which will include the installation of a reservoir for irrigating the horticulture greenhouses supported by FTF WEST/WINNER. FTF WEST/WINNER's assistance will include access to high quality inputs, technical assistance to prepare terraces and install greenhouses to limit hillside agriculture, access to extension agents to implement proper technical itineraries, and linkages to valuable markets to improve product sales (see IR 3).

a) Cul-de-Sac

Zone: Kenscoff, Duvier
Timing: October 2012 – September 2013
Partners: MARNDR, local Authorities, master farmers, farmers associations
Responsible staff: IR 1 Coordinator and Regional Director
WIF cost:

Proprietary Information Redacted

b) Matheux

Zone: Matheux corridor lowland areas
Timing: October 2012-September 2013
Partners: Farmer associations
Responsible staff: Rural Engineer and Civil Engineer
WIF cost:

Proprietary Information Redacted

2.1.4 Installation of reservoirs in the piedmont and mountains

Description: FTF WEST/WINNER has started the construction of cement hillside water catchments and communal water cisterns for rainwater collection and runoff reduction in Kenscoff. In addition, FTF WEST/WINNER will install five reservoirs in the areas of Goyavier and Fonds Baptiste in order to provide water to irrigate terraces and greenhouses in support of sustainable hillside agriculture. The reservoirs will allow for sufficient water sources for agricultural irrigation, and will be linked to drip irrigation systems for the greenhouses. This activity will also help provide water for tree seedlings, which will be used to increase tree cover on hillsides. These cement hillside water catchments will have an average capacity of 50,000 gallons and will be used to irrigate greenhouses and hillside farms on slopes.

a) Cul-de-Sac

Zone: Piedmont & Mountains (Platon Mat and Jacquete)
Timing: October 2012 – March 2013

Partners: Contractors, MTPTC
Responsible staff: Civil Engineer, Regional Director and Cul de Sac sub-region Director
WIF cost: Proprietary Information Redacted

b) Matheux

Zone: Matheux corridor, lowland areas
Timing: October 2012-September 2013
Partners: Farmer associations
Responsible staff: IR 1 Coordinator, Regional Director
WIF cost: Proprietary Information Redacted

a) Cul-de-Sac

2.1.5 Complete construction and ensure the sustainability of the Kenscoff CRDD

Description: The CRDDs are a critical piece of FTF WEST/WINNER’s approach. In the coming months, we will finalize the construction of the Kenscoff CRDD facilities, specifically the access road. FTF WEST/WINNER will continue training activities at the CRDD and ensure that farmers have access to improvement techniques, specifically greenhouse technology and demonstration plots. We will meet with the Wynn farm to discuss and agree on a transfer plan to ensure that the objectives of the CRDD are met beyond the end of the FTF WEST/WINNER project. The development of the transfer plan will incorporate farmer’s organizations, the, Ministry of Agriculture and other local entities to ensure their long-term involvement.

Zone: Kenscoff
Timing: October 2012 – September 2013
Partners: MARNDR, local actors, master farmers, farmers associations, Wynn farm
Responsible staff: Regional Director and Civil Engineer
WIF cost: Proprietary Information Redacted

2.1.6 Transfer the Duvier CRDD

Description: The CRDDs are a critical piece of FTF WEST/WINNER’s approach. FTF WEST/WINNER completed the construction of the Duvier CRDD and inaugurated the facility this past spring. The CRDD will continue training activities and will complete the construction of a greenhouse to showcase greenhouse technology to local farmers. We plan to award a grant to the association, who will manage the CRDD and ensure the center fulfills its objective to provide extension training services to the region. FTF WEST/WINNER will also work to formalize the association managing the CRDD to ensure that the CRDD is sustainability managed after FTF WEST/WINNER. The association will include farmers associations and other local representatives and we will provide comprehensive trainings aimed at increasing the association’s operational and management capacity.

Zone: Duvier
Timing: October 2012 – September 2013
Partners: MARNDR, local actors, master farmers, farmers associations
Responsible staff: Regional Director and Civil Engineer
WIF cost: Proprietary Information Redacted

b) Matheux

2.1.7 Establish a demonstration farm for sustainable hillside agriculture in Goyavier

Description: In order to ensure the development of sustainable hillside agriculture to protect the productive plains of the Matheux corridor, it will be important to train farmers in the proper techniques of sustainable hillside agriculture. We will establish a demonstration farm for sustainable hillside agriculture in Goyavier. This farm will showcase crop production in terraces, the cultivation of high value crops under greenhouse, and appropriate agro-forestry practices to stabilize hillsides.

Zone: Goyavier
Timing: October 2012-September 2013
Partners: Farmer associations
Responsible staff: Regional Director and IR Coordinator
WIF cost: Proprietary Information Redacted

B. IMPROVE WATERSHED GOVERNANCE (2.2)

RELEVANT M&E INDICATORS

KRA 2.2 Watershed governance improved

3.2.1 Number of policies, regulations, and administrative procedures in each of 5 stages of development as a result of USG assistance

3.2.2 Number of subwatershed bodies formed and/or strengthened

B.1 CORRIDOR LEVEL ACTIVITIES

a) Cul-de-Sac

2.2.1 Finalize the watershed management plan and increase the capacity of local institutions for the Cul de Sac plain

Description: FTF WEST/WINNER has prepared a draft watershed management plan and developed land use land cover (LULC) maps of the Cul-de-Sac watershed. We have also identified the key drivers for watershed degradation. We will use a consultant to finalize the

watershed management plan based on the data already collected; the final LGL study on the hydrology of the Cul-de-Sac; the land use land cover maps developed by RPI, and meetings with key stakeholders at the sub-watershed level. We will coordinate with CIAT in the preparation of the final document and we will organize a workshop to present the draft Cul-de-Sac watershed management plan. We will organize stakeholder meetings at the sub-watershed level to present the draft plan and LULC maps in specific areas, and to seek community feedback constraints to implementation of the plan and on their engagement for the plan's implementation at the local level. The feedback received at the local levels will be used in the preparation of the final plan and in the identification of key actors in its implementation. In particular, FTF WEST/WINNER will help organize sub-watershed management bodies at the Communal level. These sub-watershed entities will include representatives from the local government, community-based organizations, and the private sector and will be responsible for the implementation and monitoring of the application of the watershed management plan. We will then federate these organizations to ensure the proper coordination in the application of the watershed management plan. We will use participatory approaches to ensure broad ownership of the watershed management plan at the local level. The plan will be used as a key input to the development of zoning policies for the communes of Petionville, Kenscoff, Croix-des-Bouquets, Tabarre, Ganthier, Thomazeau, and Cité Soleil.

FTF WEST/WINNER will strengthen the capacity of municipalities, ASECs, and CASECs to improve watershed management. We will train local institutions on the proper implementation of land use/cover map and will engage community leaders such as priests. We will emphasize capacity building in land use planning and zoning issues and the need to preserve land for agricultural development and curtail unplanned urban sprawl. We will assist local authorities in developing tools for better public awareness and enforcement mechanisms to protect watershed assets.

<i>Zone:</i>	Cul de Sac
<i>Timing:</i>	October 2012 – March 2013
<i>Partners:</i>	Watershed management committees, MICT, CIAT, MDE, MARNDR, ASEC, CASEC, Municipal authorities
<i>Responsible staff:</i>	DCOP and Governance and Environment Officer
<i>WIF cost:</i>	Proprietary Information Redacted

2.2.2 Develop contingency plans and install flood warning system

Description: FTF WEST/WINNER has already prepared disaster contingency plans for the communes of Croix-des-Bouquets, Kenscoff, Ganthier, Tabarre, and Thomazeau. We will complete the installation of an early flood warning system for the Cul-de-Sac plain, which is prone to flooding due to the severe erosion in the Rivière Grise and Rivière Blanche watersheds. FTF WEST/WINNER will procure rainfall and river flow meters for an early warning flood system for the watershed. These will be installed at strategic points according to guidance from the CH2MHill consultants and in close collaboration with the Directorate for Civil Protection (DPC) of the Ministry of Interior, the Ministry of Agriculture, local authorities, and the community organizations. FTF WEST/WINNER will also train its local field partners in the operation, reading and maintenance of these instruments in order to ensure their long-term operation beyond the life of the FTF WEST/WINNER Project. The system will be managed by

the local Civil Protection Committees (CPCs) that have been created with FTF WEST/WINNER’s assistance as part of the development of disaster management plans. We will provide capacity building to ensure that the CPCs can maintain the flood warning systems.

<i>Zone:</i>	Cul de Sac Plain (flood warning system), Cité Soleil and Pétionville (contingency plans)
<i>Timing:</i>	October 2012 – September 2013
<i>Partners:</i>	MICT/DPC, Municipal authorities
<i>Responsible staff:</i>	DCOP, Disaster Management Specialist, and Infrastructure Component Leader
<i>WIF cost:</i>	Proprietary Information Redacted

b) Matheux

2.2.3 Develop watershed management plan and increase the capacity of local institutions for the Matheux corridor

Description: FTF WEST/WINNER will conduct a training needs assessment of the ASEC, CASEC and municipal authorities of Cabaret, Arcahaie, Montrouis and Saint Marc with focus on natural resources management, and will provide technical assistance based on the identified needs. Subsequently FTF WEST/WINNER will provide training in natural resource management and land use planning, and basic equipment and materials for internet access, map drawing, and rainfall measurement. FTF WEST/WINNER will work with mayors, local representatives, watershed management groups, producer groups, ASEC/CASEC representatives and CIAT (the Comité Interministeriel pour l’Amenagement du Territoire) to support the development of watershed management plan for the Matheux corridor. The first step will be to organize small group discussions to increase awareness of the issues and select the main topics to be addressed. We will acquire high resolution satellite images of the Matheux corridor and our GIS team will prepare land use land cover maps (LULC) based on these images. Based on the methodology used in the Cul-de-Sac watershed, we will prepare a draft watershed management plan for the Matheux corridor.

<i>Zone:</i>	Cabaret, Arcahaie, Montrouis, Saint Marc
<i>Timing:</i>	October 2012-September 2013
<i>Partners:</i>	Local authorities, CIAT
<i>Responsible staff:</i>	DCOP, Governance and Environmental Officer and GIS Specialist
<i>WIF cost:</i>	Proprietary Information Redacted

2.2.4 Prepare disaster contingency plans for St Marc and Cabaret

Description: The Matheux corridor is prone to flooding. The communes of Cabaret and Arcahaie have already received support from the IDB for the preparation of disaster contingency plans. FTF WEST/WINNER will work with the Civil Protection Direction (DPC) of the Ministry of Interior to develop a disaster preparedness contingency plan for the commune of Saint Marc. We will also help set up communal civil protection committee that will be responsible for the implementing the plan at the local level.

<i>Zone:</i>	Communes of Saint Marc and Cabaret
<i>Timing:</i>	October 2012-September 2013
<i>Partners:</i>	Ministry of Interior (DPC), local authorities and local organizations
<i>Responsible staff:</i>	Disaster Management Specialist
<i>WIF cost:</i>	Proprietary Information Redacted

B.2 PROJECT LEVEL ACTIVITIES

2.2.5 Provide technical and material support to the national Government

Description: FTF WEST/WINNER will continue to provide technical and material support to the Haitian Government to improve the enabling environment for target value chains. Specifically, we will support the Government in preparing laws and decrees concerning the legal status of farmer associations so that they can fully operate as SMEs; in collaboration with USDA we will support technical assistance for liberalizing markets for inputs and for providing incentives to increase the use agricultural and food processing equipment. FTF WEST/WINNER will be responsive to Government requests for assistance as the new Haitian administration develops its agricultural development policies.

In addition, FTF WEST/WINNER will collaborate with the CNIGS to prepare detailed GIS maps of the irrigation systems of the Cul-de-Sac and Matheux corridors. These maps will be used by the Haitian government to support agricultural and irrigation policies in these areas and to channel investments in these productive plains. FTF WEST/WINNER will use the maps and GIS tools to improve the management of irrigation water with local water users associations. The GIS maps will identify primary, secondary, and tertiary canals, as well as average and peak flows of the irrigation systems. The maps will also identify the agricultural areas potentially irrigated by each system. The database will be managed by the CNIGS at the end of FTF WEST/WINNER to ensure sustainability.

Finally, FTF WEST/WINNER will recruit an international expert to design a national policy on carbon trading and train all stakeholders including representatives of the government and members of the private sector. The decree creating the Haitian Designated National Authority in charge of the Clean Development Mechanism (CDM) of the “Kyoto Protocol on Global Climate Change” was prepared by a FTF WEST/WINNER consultant in December 2009 and published on May 31st in the Official Journal of the Haitian Government. FTF WEST/WINNER will continue to work with stakeholders to strengthen this initiative to promote carbon trading in Haiti.

<i>Zone:</i>	Port-au-Prince
<i>Timing:</i>	October 2012 - September 2013
<i>Partners:</i>	MARNDR, MDE, USDA Prime Minister
<i>Responsible staff:</i>	COP and Governance and Environmental Officer
<i>WIF cost:</i>	Proprietary Information Redacted

C. INCREASE TREE COVER (2.3)

RELEVANT M&E INDICATORS

<p style="text-align: center;"><i>KRA 2.3 Tree cover increased</i></p> <p>3.3.1 Number of hectares planted with high-value tree crops (fruit trees and noble forest wood) with project assistance</p>
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C.1 CORRIDOR LEVEL ACTIVITIES

2.3.1. Support agro-forestry and coffee campaigns

Description: FTF WEST/WINNER will implement agro-forestry and coffee campaigns in the mountain areas of the Cul-de-Sac and Matheux in order to ensure soil stability and protect investments made in the plain. Based on the lessons learned from previous campaigns, we will provide incentive-based grants to agro-forestry associations to develop nurseries and plant trees. We will focus primarily income-generating fruit trees, mango trees, and coffee trees in past producing areas. Once the seedlings are ready for planting, after about six months of growth in the nursery, the project will work with the nursery managers to transplant the seedlings in critical areas of the watershed and we will monitor tree survival rates while building the capacity of the area representatives (“Responsible de zone”). We will also design contiguous areas with a high density of plantation to achieve a measurable impact on soil erosion. The agro-forestry campaign will be closely coordinated with the ravine treatment and soil conservation activities to ensure maximum impact on soil stabilization. Finally, we will foster commercial linkages between producers and buyers of fruits and timber (see IR 3).

This activity also includes providing support to local organizations, such as the Agro-forest Regional Nursery (ARN), to assist in increasing tree cover on hillsides. In addition, we will establish a vetiver seedling nursery at the Montrouis CRDD and encourage community associations to produce vetiver to protect the productive plain from erosion control. The vetiver seedlings will be ready for transplanting after about three months.

a) Cul-de-Sac

<i>Zone:</i>	Piedmont & Mountains
<i>Timing:</i>	October 2012 – September 2013
<i>Partners:</i>	MARNDR, producer groups, NGOs
<i>Responsible staff:</i>	IR 2 Coordinator
<i>WIF cost:</i>	Proprietary Information Redacted

b) Matheux

<i>Zone:</i>	Matheux corridor, hillside areas
<i>Timing:</i>	October 2012-September 2013
<i>Partners:</i>	Local associations
<i>Responsible staff:</i>	IR 2 Coordinator; IR 3 Coordinator
<i>WIF cost:</i>	Proprietary Information Redacted

a) Cul-de-Sac

2.3.2 Promote biodiversity and support the protection of Parc La Visite.

Description: FTF WEST/WINNER will work with local organizations and governments to promote biodiversity via technical and material support. In addition to making a better effort to integrate more biodiversity aspect whenever possible in all of our activities, FTF WEST/WINNER has specifically programmed the following activities:

- FTF WEST/WINNER will provide assistance to create a botanical garden in Pétiön-Ville with the support of the local government. The University of Florida will provide technical expertise to help identify and display local species.
- With the assistance of the University of Florida, FTF WEST/WINNER will distribute educational material and provide training to promote biodiversity efforts with the assistance of the Audubon and Seguin Foundations.
- FTF WEST/WINNER will provide technical assistance to local organizations to promote the germination and reproduction of local forest tree seedlings within the Parc la Visite.
- FTF WEST/WINNER will construct a reservoir at Nan Jelen to supply water for tree seedlings. FTF WEST/WINNER will also provide greenhouses outside the Parc la Visite to farmers currently exploiting the park for agricultural purposes. The objective is to substitute agricultural production inside the park with reforestation of areas currently being cultivated.
- FTF WEST/WINNER will provide a grant to the Agence Nationale des Aires Protégées (ANAP) to provide material and technical support to improve the capacity of auxiliary environmental protection agents and the supervision of proper land use within the Parc la Visite. The purpose is to prevent wood cutting for the production of resin and charcoal ("bwa gra"), to expand the gardens or pastures within the park and to enforce current environmental regulations. This includes working with the government to find a qualified director of the Parc la Visite to coordinate these activities and promoting a public/private co-management of the park.

<i>Zone:</i>	Mountains
<i>Timing:</i>	October 2012 – September 2013
<i>Partners:</i>	MDE, farmer associations, local authorities, University of Florida
<i>Responsible staff:</i>	IR 2 Coordinators
<i>WIF cost:</i>	Proprietary Information Redacted

SECTION V. AGRICULTURAL MARKETS STRENGTHENED (IR 3)

This section presents the proposed FTF WEST/WINNER activities in the Cul-de-Sac and Matheux corridors and Mirebalais/Saut d’Eau region linked to Intermediate Result 3 (Strengthen Agricultural Markets). In order to take full advantage of increased agricultural productivity (IR1), it is essential to foster value chain integration and efficiency by reducing post-harvest losses, improving farm to market linkages (in part through better rural roads), and linking farmers directly to distributors, processors, and exporters.

Strengthening agricultural markets will be achieved through:

- Improving roads
- Fostering value chain integration
- Supporting commercialization and market information
- Reducing post-harvest losses

RELEVANT M&E INDICATORS

IR 3: Agricultural Markets Strengthened

- 3.1 Value of exports of targeted commodities as a result of USG assistance
- 3.2 Value of Ag business sales (post harvest operations, including storage, processing, and packaging)

Progress to Date

Farm to market roads: FTF WEST/WINNER has prioritized rehabilitating key feeder roads to decrease post-harvest losses and improve commercialization. FTF WEST/WINNER identified critical farm to market roads and completed the studies and cost-benefit and beneficiary analyses for the Dumay and Merceron roads. Both roads will provide critical infrastructure for the evacuation of agricultural goods to the intended markets.

Post-Harvest Facilities: In the past three years, FTF WEST/WINNER has helped farmers access a variety of post-harvest materials and tools, including silos and mobile collection centers. This past spring, FTF WEST/WINNER completed the rehabilitation of the Kenscoff market and installed a plastic compacting unit. We also supported a local association to train youth in the collection and recycling of plastics. In the Matheux corridor, FTF WEST/WINNER showcased the modern conditioning techniques for plantain in the Arcahaie and Cabaret markets. We supported 9 mango producer associations with installing mobile collection centers with the provision of crates, sorting tables, tents and harvest tools to reduce post-harvest losses. We also

introduced the donkey pack frames developed by the University of Florida to enable a more efficient transportation of mangos.

Mango Processing: FTF WEST/WINNER partnered with farmer association, ADAIM, to improve the production of processed products, specifically for mango. We supported ADAIM in signing an MOU with DFSA for the export of dried fruits and ADAIM is working to build a mango drying unit.

Mache Payzan: This past year, FTF WEST/WINNER launched the “Mache Payzan” or Farmer’s Markets around the Port-au-Prince metropolitan zone. We organized eight markets with the participation of 30 farmers associations and generated sales of HTG 3,000,000.

A. REDUCE TRANSPORTATION COSTS (3.1)

RELEVANT M&E INDICATORS

<p style="text-align: center;">KRA 3.1 Market-driven access to agricultural inputs</p> <p>3.1.1 Kilometers of roads improved or constructed</p> <p>3.1.2 Number of beneficiaries receiving improved transport services due to USG</p>
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A.1 CORRIDOR LEVEL ACTIVITIES

3.1.1. Rehabilitate key roads in the Cul de Sac corridor

Description. Farm to market roads are vital elements of the productive infrastructure necessary to support improved livelihoods, including the modernization and increase of agricultural production. In addition to facilitating market access, they contribute to reducing post harvest losses. Unfortunately, many of the farms to markets roads in FTF WEST/WINNER target corridors are in disrepair. In close collaboration with the GOH MARNDR and based on their importance for increased agricultural production, FTF WEST/WINNER has identified key roads for rehabilitation. In 2012, FTF WEST/WINNER conducted the relevant studies, including cost-benefits and beneficiaries analysis, for the rehabilitation of the Merceron and Dumay roads. This coming year, we will implement the construction of the road between Nouailles and Dumay in the commune of Croix de Bouquets (9 kilometers) and we will conduct the study and start the construction of the Merceron road in the commune of Thomazeau (12 kilometers).

In compliance with Reg 216, FTF WEST/WINNER will also undertake the necessary environmental studies, develop and implement the relevant environmental mitigation measures. Through sub-contracts, it will conduct Environmental Assessments (EAs) for the Nouailles/Dumay and the Merceron roads, and EMPRs for the partial road rehabilitation works, as they are covered by FTF WEST/WINNER Programmatic Environmental Assessment (PEA).

To foster the appropriate management of the rehabilitated roads, the sub-contracts with the construction firms will include, among other aspects the training of the different road users' associations/road management committees in road operation and light maintenance and repair. Per Section 611e of the Foreign Assistance Act of 1961, FTF WEST/WINNER will also work with MARNDR to confirm GOH commitment for the regular maintenance of the rehabilitated roads.

a) Cul-de-Sac

<i>Zone:</i>	Cul de Sac, 9km of road between Nouailles and Dumay (Croix des Bouquets)
<i>Timing:</i>	October 2012-September 2013
<i>Partners:</i>	Ministry of Public Works, MARNDR, farmer associations, water/road user groups
<i>Responsible staff:</i>	IR 3 Coordinator and Civil Engineer
<i>Cost estimate:</i>	Proprietary Information Redacted
<i>Zone:</i>	Cul de Sac, 12km of Merceron road (Thomazeau and Ganthier)
<i>Timing:</i>	October 2012-September 2013
<i>Partners:</i>	Ministry of Public Works, MARNDR, farmer associations, water/road user groups
<i>Responsible staff:</i>	IR 3 Coordinator and Civil Engineer
<i>Cost estimate:</i>	Proprietary Information Redacted
<i>Zone:</i>	Cul de Sac, access roads to Riviere Blanche irrigation system (Ganthier), Cotin Road
<i>Timing:</i>	October 2012-September 2013
<i>Partners:</i>	Ministry of Public Works, MARNDR, farmer associations, water/road user groups
<i>Responsible staff:</i>	IR 3 Coordinator and Civil Engineer
<i>Cost estimate:</i>	Proprietary Information Redacted
<i>Zone:</i>	Kenscoff (Cul-de-Sac), access roads to Kenscoff CRDD
<i>Timing:</i>	October 2012 - September 2013
<i>Partners:</i>	Farmer associations, water/road user groups
<i>Responsible staff:</i>	IR 3 Coordinator and Civil Engineer
<i>Cost estimate:</i>	Proprietary Information Redacted
<i>Total WIF cost:</i>	Proprietary Information Redacted

3.1.2. Intervene urgently on key feeder roads closed due to natural causes (Hurricane Sandy, tropical storms, etc.)

Description: Due to the climatic conditions in Haiti and risk for tropical storms, hurricanes and flash flooding, FTF WEST/WINNER will remain flexible and able to respond quickly to

minimize these effects on road accessibility. In particular, Tropical Storm Issac in August and Hurricane Sandy in October caused major damage to several feeder roads, making many of them completely inaccessible for the local population. Consequently, FTF WEST/WINNER will intervene promptly along approximately 180 kilometers along 13 identified roads in the Cul-de-Sac and Matheux corridors to reopen them and improve market access. These interventions will be on an as-needed basis to respond to evolving conditions and primarily during the hurricane and rainy seasons. Activities will include the procurement of equipment and operator services to rehabilitate the roads at precise locations to reopen them.

a) Cul-de-Sac

Zone: Cul-de-Sac plain and hillside areas
Timing: October 2012-September 2013
Partners: Ministry of Public Works, farmer associations, water/road user groups
Responsible staff: IR 3 Coordinator and Civil Engineer
WIF cost:

Proprietary Information Redacted

b) Matheux

Zone: Matheux plain and hillside areas
Timing: October 2012-September 2013
Partners: Ministry of Public Works, farmer associations, water/road user groups
Responsible staff: IR 3 Coordinator and Civil Engineer
WIF cost:

Proprietary Information Redacted

A.2 PROJECT LEVEL ACTIVITIES

3.1.3 Establish and strengthen road user associations to perform regular road maintenance

Description: The sustainability of the road rehabilitation program rests on sound operation and regular maintenance. In order to leverage the GOH’s commitment to undertake the regular management/operation and maintenance of the rehabilitated roads, FTF WEST/WINNER will assist in setting up and/or strengthening road management committees for the light maintenance and minor repair of these roads. We will provide them with grants for tools, equipment and technical assistance, and the establishment and management of road maintenance funds, which will be managed by the road user associations. The grants will also include road bank stabilizing activities like the planting of vetiver.

Zone: All regions
Timing: October 2012-September 2013
Partners: Road user associations, MTPTC, MARNDR
Responsible staff: IR 3 Coordinator and Civil Engineer
WIF cost:

Proprietary Information Redacted

B. IMPROVE MARKET INFORMATION (3.2)

RELEVANT M&E INDICATORS

<p>KRA 3.2 Market information improved</p> <p>4.2.1 Number of farmers using market information generated through project assistance</p>
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B.1 CORRIDOR LEVEL ACTIVITIES

a) Matheux

3.2.1 Implement a traceability system for mango and plantain

Description: The expansion of the traceability system for mango and plantain will ground-truth information about pest infestations and/or exceptional cultivars. It will also be used to maximize fair trade returns, and guide the HACCP and GAP certification process. Building on the various consultations with ANEM and the MARNDR and other stakeholders, FTF WEST/WINNER will work with University of Florida experts to assist with the development of the system, and train national professionals in applying the system, mobilizing both mango and plantain association members in using the national phytosanitation zip code system to protect their crop and fair trade returns. Through grants, FTF WEST/WINNER will support the implementation of the zip code grid in Mirebalais/Saut d’Eau and the Matheux Corridor. The impact of the system will be tested on fair trade woman associations during 2013 mango export season.

<i>Zone</i>	Matheux and Mirebalais/Saut d’Eau
<i>Timing:</i>	December 2012 – September 2013
<i>Partners:</i>	MARNDR, UF, other Mango programs in country, such as Haiti Hope where possible; Woman association mango and plantain producer groups and exporters
<i>Responsible staff:</i>	DCOP, Regional Directors and Communications Officer
<i>WIF cost:</i>	Proprietary Information Redacted

B.2 PROJECT LEVEL ACTIVITIES

3.2.2 Finalize the value chain assessments

Description: In Fiscal Year 2012, FTF WEST/WINNER started work on value chain assessments for the key target crops (corn, rice, beans, and plantain). We will complete the assessments in this fiscal year and produce reports that will identify the relationships between value chain actors, assess the governance of the value chain, provide an estimate of the added value throughout the chain from producer to consumer, and identify opportunities for significant value chain enhancement.

<i>Zone:</i>	All regions
<i>Timing:</i>	October 2012 - December 2013
<i>Partners:</i>	MARNDR
<i>Responsible staff:</i>	COP and Economist

WIF cost:

Proprietary Information Redacted

C. STRENGTHEN MARKET NORMS AND STANDARDS(3.3)

C.1 CORRIDOR LEVEL ACTIVITIES

3.3.1 Increase sales of value chain products through farmer markets and agro-businesses

Description: Building on the successful experience of the Marche Payzan that illustrates a keen interest from the general public for well presented and conditioned local agricultural products, FTF WEST/WINNER will expand and scale up the concept by reaching to major industries. This will involve securing an estimated five contracts between key buyers and the producers for a total value of approximately \$1 million by the end of 2013. The project has already secured three contracts this year. Through grants, we will continue to provide technical and financial support to the farmer associations, especially the cooperatives of Association Chanpyon to ensure that they meet the quality standards and quantity required by the buyers on a consistent basis. We will also encourage the producer associations to invest part of the proceeds from this commercial relationship to further improve their productivity and their product presentation. FTF WEST/WINNER will use the services of subcontractors to assist these partners in implementing their contracts, and in the promotion and marketing of the Chanpyon brand. FTF WEST/WINNER will also (i) assist with the promotion of appropriate handling methods, transportation, packaging and presentation, and (ii) design and implement a communication campaign on the economic, sanitary and nutritional benefits of improved handling, presentation and packaging of agricultural products and foodstuffs. WINNER will phase out its direct support of the Marche Payzan by April 2013.

Timing:

October 2012-September 2013

Partners:

Farmer associations, Hotels, Restaurants, Agribusinesses

Responsible staff:

PPPP Director, Regional Director

WIF cost:

Proprietary Information Redacted

D. REDUCE POST-HARVEST LOSSES(3.4)

RELEVANT M&E INDICATORS

KRA 3.4 Post-harvest losses reduced

3.4.1 Total increase in installed storage capacity (m³)

D.1 CORRIDOR LEVEL ACTIVITIES

3.4.1 Facilitate partnerships between producer groups and private companies and set up processing facilities

Description: The private sector is taking an increasing interest in agricultural production in the target corridors. FTF WEST/WINNER has already facilitated the execution of several MOUs and other agreements between the “Associations Chanpyon” and private sector actors (distributors, processors, exporters) downstream of the target value chains of corn, rice, plantain, mango and vegetable. Under this program, selected “Associations Chanpyon” will be given the

opportunity to become share holders in targeted food conditioning and processing plants and the bylaws will include clauses protecting them as minority share holders.

FTF WEST/WINNER will accompany both parties to ensure sound management of the established partnership. We will advise private sector investments in agriculture and agribusiness and will ensure that farmers benefit from the partnerships, including receiving increased revenues. We will also assist along the value chain in supporting increased agricultural production, value added, quality standards, and environmental compliance. When appropriate, FTF WEST/WINNER may also support the construction of collection centers and processing facilities. These partnerships will contribute to improve food security and nutrition in the target corridors; and the cereal by-products will have added impacts on the rural economy as feed for animal production.

a) Cul-de-Sac

In the Cul de Sac corridor, FTF WEST/WINNER will support the following partnerships:

- Sunny Island Food and CPCPCS (Coopérative des Paysans Chanpyon de la Plaine du Cul-de-Sac) to support the processing of beans and other crops.
- Fédération de Développement de la Production Agricole de Thomazeau (FEDEPAT) to provide technical assistance for business improvement.

<i>Zone:</i>	Cul de Sac
<i>Timing:</i>	October 2012 – September 2013
<i>Partners:</i>	Private sector farmers, producer groups, farmers associations
<i>Responsible staff:</i>	IR 3 Coordinator
<i>WIF cost:</i>	Proprietary Information Redacted

b) Matheux

In the Matheux corridor, FTF WEST/WINNER will support the following partnerships:

- CETAI (Centre de transformation agro-industriel, Arcahaie) and COPCM (Coopérative des Paysans Chanpyon des Matheux) to support the conditioning of beans and the processing of plantain into chips and shakes/juices.

<i>Zone:</i>	Matheux
<i>Timing:</i>	October 2012 – September 2013
<i>Partners:</i>	Private sector farmers, producer groups, farmers associations
<i>Responsible staff:</i>	IR 3 Coordinator
<i>WIF cost:</i>	Proprietary Information Redacted

c) Mirebalais and Saut d'Eau

In the Mirebalais and Saut d'Eau region, FTF WEST/WINNER will support the following partnership:

- Tropijus and CPCSE (Coopérative des Paysans Chanpyon de Saut-d’Eau) to support the processing of mango and other fruit. Activities will include the implementation of a mango pulp processing plant in the Mirebalais area. FTF WEST/WINNER, with the support from mango processing specialists from the University of Florida, will provide technical assistance and training related to processing activities, the design of the plant, and the required materials and equipment.

Zone: Mirebalais and Saut d’Eau
Timing: October 2012 – September 2013
Partners: Private sector farmers, producer groups, farmers associations
Responsible staff: IR 3 Coordinator
WIF cost: Proprietary Information Redacted

3.4.2 Improve the organization and working conditions of rural markets to reduce post-harvest losses

Description: Rural markets are a key link in the value chain for FTF WEST/WINNER target crops, and have benefits across various crop types sold at these venues. The poor physical and sanitary conditions of these markets affect the quality of the products, and reduce the value accruing to small farmers. By improving the facilities in selected rural markets, we will improve product quality and sanitary conditions and reduce post harvest loss. This will also improve the efficiency of key value chains and allow producers to reach more buyers. FTF WEST/WINNER will support the improvement of critical infrastructure for agriculture product commercialization in selected rural markets. In the Cul de Sac corridor, FTF WEST/WINNER will work with municipal authorities and community leaders to improve the facilities at the rural markets of Kenscoff, Petion-Ville and Croix-des-Bouquets. In the Matheux corridor, FTF WEST/WINNER will work with municipal authorities and community leaders to improve the facilities at the rural markets in Arcahaie and Montrouis and ensure adequate management. FTF WEST/WINNER will also acquire the services of a short-term consultant to assist the market management committee in developing a simple, practical but sound management plan, which will address the issues for access, solid waste management, and product flow.

a) Cul-de-Sac

Zone: Cul de Sac
Timing: October 2012 – September 2013
Partners: Municipal authorities of selected communes, producer groups, farmers associations
Responsible staff: IR 3 Coordinators, Civil Engineer
WIF cost: Proprietary Information Redacted

b) Matheux

Zone: Matheux corridor (lowland area)
Timing: October 2012-September 2013
Partners: Municipal authorities, producer groups, farmers associations

Responsible staff: Regional Director, IR 3 Coordinator, Civil Engineer
WIF cost: Proprietary Information Redacted

D.2 PROJECT LEVEL ACTIVITIES

3.4.3 Facilitate access to improved post-harvest techniques, equipment, and materials

Description: In collaboration with the University of Florida and the MARNDR, FTF WEST/WINNER will provide technical, financial and material assistance to associations and private companies to continue to improve post-harvest handling. FTF WEST/WINNER will expand the distribution of post-harvest equipment because of its demonstrated impact on the quantity and quality of marketable agricultural products, including export-ready mangoes. Specifically, FTF WEST/WINNER will expand provision of silos for storage, mobile collection centers, and other materials such as plastic crates, scales, etc. This activity will also support partnerships between producers and agro-businesses under 3.4.2 and 3.4.4.

Zone Cul de Sac and Matheux
Timing: October 2012 – September 2013
Partners: Association Chanpyon, Cooperative and private sector
Responsible staff: IR 3 Coordinator, Regional Director
WIF cost: Proprietary Information Redacted

3.4.4 Support farmers with equipment and materials to increase mango production and strengthen collaboration with ADAIM for mango processing

Description: To compliment the technical assistance and training provided to Master Farmers and mango producers and associations, FTF WEST/WINNER will also facilitate the procurement of and access to equipment and materials aimed at increasing mango production, harvesting and commercialization. This will include pack-frames and crates, mobile collection centers, and pruning and harvesting materials.

In addition, FTF WEST/WINNER launched a PPP with DF SA and ADAIM (Association pour le Développement Agro-Industriel de Mirebalais) to support mango producers of the Mirebalais/Saut d'Eau region in mango processing. Through a grant, FTF WEST/WINNER helped ADAIM in building and equipping a drying mango facility in Mirebalais, while DFSA is assisting with training and technical assistance for the management of the facility and the production of dried mangos and other fruits. In 2013, FTF WEST/WINNER will assist ADAIM in providing water to the site through well digging.

Zone: Cul-de-Sac, Cabaret, Mirebalais and Saut d'Eau
Timing: November 2012 - July 2013
Partners: Existing mango groups, mango exporters, MARNDR
Responsible staff: Regional Director
WIF cost: Proprietary Information Redacted

3.4.5 Empower and expand women roles in agribusiness

Description: In order to ensure that both women and men have access to opportunities within the agribusiness sectors that FTF WEST/WINNER is supporting, we will implement a business leadership program tailored specifically to women working in the agribusiness sector in Haiti. In collaboration with the University of Florida and the Annie's Project, a US national program aiming to empower women in agriculture and agribusiness, FTF WEST/WINNER will adapt the program and customize the materials to the Haitian context. We will call upon a local organization such as Femmes et Democratie and the Centre Haitian de Recherche et d'Actions pour la Promotion de la Femme (CREPROF) who conducted similar trainings, to develop and implement a program for women. The program will include outreach/extension, training of trainers, agribusiness and industry development and management, and grants for the implementation of pilot projects. The program will include practical and interactive learning and foster mentoring by successful women entrepreneurs. To ensure its sustainability, the program will also target young agribusiness professionals and NGOs addressing gender issues.

<i>Zone</i>	Cul de Sac and Matheux
<i>Timing:</i>	October 2012 - June 2013
<i>Partners:</i>	Private sector, woman members of farmer associations, Agribusinesses
<i>Responsible staff:</i>	Director of Training, Regional Directors
<i>WIF cost:</i>	Proprietary Information Redacted

3.4.6 Finalize conditioning center in Cul-de-Sac

Description: In addition to ensure the sustainability of hillside agriculture and ensure that hillside farmers generate sufficient incomes to permanently adopt production practices that protect the productive plains, we will help finalize ODAI-L conditioning and commercialization center to sort and sell products from sustainable agriculture. FTF WEST/WINNER will provide technical and material assistance, as well as training to the associations to ensure that products are differentiated according to quality and sold in valuable markets.

<i>Zone:</i>	Kenscoff and Lefèvre
<i>Timing:</i>	October 2012 – March 2013
<i>Partners:</i>	ODAI-L,
<i>Responsible staff:</i>	IR 3 Coordinator and Regional Director
<i>WIF cost:</i>	Proprietary Information Redacted

ANNEX A: CHART OF ACTIVITIES

Haiti WINNER Work Plan Chart

October 2012-September 2013 - All activities

1. Increase Agricultural Productivity	Responsible Staff	Cul- de-Sac	Matheux	Mirebalais	Project-Level	Total Budget
<i>1.1 Promote market-driven access to agricultural inputs.</i>						
1.1.1 Strengthen and support agro-supply for the 2012 winter and 2013 spring/summer agricultural campaigns	Regional Directors and IR 1 Coordinator	Proprietary Information Redacted				
1.1.2 Support the agricultural campaigns with extension services to farmers in target value chains and improve overall land preparation	Regional Directors and IR 1 Coordinator					
1.1.3 Support the local seed industry	COP and IR 1 Coordinator					
1.1.4 Train farmers and BIAs on IPM and the safe use of agro chemicals	DCOP, Governance and Environmental Officer and IR 1 Coordinator					
Sub-Total						
<i>1.2 Increase access to agricultural technologies</i>						
1.2.1 Transfer the Bas Boen CRDD to AGCRDD and provide tractors to regional farmer associations	COP and Regional Director, IR 1 Engineer					
1.2.2 Build permanent facilities for the CRDD in Montrouis and provide tractors to regional farmer associations	IR 2 Coordinator, Regional Director					
1.2.3 Continue the training of Master Farmers	Training Director					
1.2.4 Provide scholarship to university students in agriculture sector management and research in Haiti and the University of Florida	Training Director, IR 1 Coordinator, Regional Director, Cul de					

	Sac sub-region Director	Proprietary Information Redacted				
1.2.5 Provide training to farmers to increase mango production	Regional Director					
1.2.6 Continue the certification and capacity-building of the associations and cooperatives “Chanpyon”	Association Capacity Building Leader					
1.2.7 Modernize extension and mobile services for farmers	Senior Economist and IR 1 Coordinator					
Sub-Total						
<i>1.3 Rehabilitate and maintain irrigation and drainage systems.</i>						
1.3.1 Build water diversion structure for the Riviere Grise irrigation system	IR 1 co-Leaders					
1.3.2 Rehabilitate primary canals of the Riviere Grise irrigation system	IR 1 co-Leaders					
1.3.3 Rehabilitate and supply electricity to irrigation pumps in the plain	IR 1 co-Leaders, Bas Boen Region Director					
1.3.4 Clean and clear the irrigation systems for Rivière Blanche	IR 1 co-Leaders, Bas Boen Region Director					
1.3.5 Conduct a study for a water diversion structure at the Rivière Blanche	IR 1 co-Leaders					
1.3.6 Rehabilitate irrigation systems in the Matheux	IR 1 co-Leaders, Socio-organizers					
1.3.7 Help establish and/or build capacity of water users associations	Regional Director, IR 1 Irrigation Coordinator					
1.3.8 Intervene urgently on irrigation systems to limit the effects of flooding due to natural causes (Hurricane Sandy, tropical storms, etc.)	IR 1 Irrigation Coordinator					
Sub-Total						
Total IR1						
2. Improve Watershed Stability.	Responsible Staff	Cul- de-Sac	Matheux	Mirebalais	Project-Level	Total Budget

<i>2.1 Protect selected hillsides.</i>		Proprietary Information Redacted
2.1.1 Strengthen and support the agro-supply stores in the corridor hillsides for the 2012 winter and 2013 spring/summer agricultural campaigns	IR 1 Coordinator and Regional Directors	
2.1.2 Implement soil conservation activities and reduce sedimentation	IR 2 Coordinator, Regional Director and Cul de Sac sub-region Director	
2.1.3 Promote sustainable hillside agriculture and alternative income generation	IR 1 Coordinator and Regional Director	
2.1.4 Installation of reservoirs in the piedmont and mountains	Regional Director and Civil Engineer	
2.1.5 Complete construction and ensure the sustainability of the Kenscoff CRDD	Regional Director and Civil Engineer	
2.1.6 Complete construction and ensure sustainability of the Duvier CRDD	Regional Director and Civil Engineer	
2.1.7 Establish a demonstration farm for sustainable hillside agriculture in Goyavier	Regional Director and IR Coordinator	
Sub-Total		
<i>2.2 Improve watershed governance.</i>		
2.2.1 Finalize the watershed management plan and increase the capacity of local institutions for the Cul de Sac plain	DCOP and Governance and Environment Officer	
2.2.2 Develop contingency plans and install flood warning system	DCOP, Disaster Management Specialist, and IR 2Coordinator	
2.2.3 Develop watershed management plan and increase the capacity of local institutions for the Matheux corridor	DCOP, Governance and Environmental Officer and GIS Specialist	

2.2.4 Prepare disaster contingency plans for St Marc and Cabaret	Disaster Management Specialist	Proprietary Information Redacted				
2.2.5 Provide technical and material support to the national Government	COP and Governance and Environmental Officer					
Sub-Total						
<i>2.3 Increase tree cover.</i>						
2.3.1 Support agro-forestry and coffee campaigns	IR 2 Coordinators					
2.3.2 Promote biodiversity and support the protection of Parc la Visite	IR 2 Coordinators					
Sub-Total						
Total IR2						
3. Strengthen Agricultural Markets.	Responsible Staff	Cul- de-Sac	Matheux	Mirebalais	Project-Level	Total Budget
<i>3.1 Reduce transportation costs</i>		Proprietary Information Redacted				
3.1.1. Rehabilitate key feeder roads in the Cul de Sac corridor	IR 3 Coordinator and Civil Engineer					
3.1.2. Intervene urgently on key feeder roads closed due to natural causes (Hurricane Sandy, tropical storms, etc.)	IR 3 Coordinator and Civil Engineer					
3.1.3. Establish and strengthen road user associations to perform regular road maintenance	IR 3 Coordinator and Civil Engineer					
Sub-Total						
<i>3.2 Improve market information</i>						
3.2.1 Implement a traceability system for mango and plantain	DCOP, Regional Directors and Communications Officer					

3.2.2 Finalize the value chain assessments	COP and Economist
Sub-Total	
<i>3.3 Strengthen market norms and standards</i>	
3.3.1 Increase sales of value chain products through farmer markets and agro-businesses	PPP Director, Regional Directors and Communications Officer
Sub-Total	
<i>3.4 Reduce post-harvest losses</i>	
3.4.1 Facilitate partnerships between producer groups and private companies and set up processing facilities	IR 3 Coordinator
3.4.2 Improve the organization and working conditions of rural markets to reduce post-harvest losses	Regional Director, IR 3 Coordinator, Civil Engineer
3.4.3 Facilitate access to improved post-harvest techniques, equipment, and materials	PPP Director, Regional Director
3.4.4 Support farmers with equipment and materials to increase mango production and strengthen collaboration with ADAIM for mango processing	Regional Director
3.4.5 Empower and expand women roles in agribusiness	Director of Training, Regional Directors
3.4.6 Finalize conditioning center in Cul-de-Sac	IR 3 Coordinator and Regional Director
Sub-Total	
Total IR3	
TOTAL	

Proprietary Information Redacted