

LOGICAL FRAMEWORK

18. Please enter the details of your project onto the matrix using the note at Annex 3 of the Guidance Note for Main applications.

Project summary	Measurable Indicators	Means of verification	Important Assumptions
<p>Goal: Effective contribution in support of the implementation of the objectives of the Convention on Biological Diversity (CBD), the Convention on Trade in Endangered Species (CITES), and the Convention on the Conservation of Migratory Species (CMS), as well as related targets set by countries rich in biodiversity but constrained in resources.</p>			
<p>Sub-Goal: Support the conservation of biodiversity and improve livelihoods in and around the Centre Hills</p>	<ul style="list-style-type: none"> Populations of key species (<u>Montserrat oriole</u>) remain stable by end of Y2 Water quality does not deteriorate and supply remains at the same level by end of Y2 Livestock management around the Centre Hills boundary is improved by end of Y2 	<ul style="list-style-type: none"> Montserrat biodiversity databases MWU water quality reports Rapid loose livestock assessment report 	
<p>Purpose A sustainable, locally managed programme to minimise the destructive impacts of feral livestock in and around the Centre Hills is established</p>	<ul style="list-style-type: none"> Number of sightings of feral livestock in the Centre Hills decreases by the end of Y2 Catch per unit hunting effort decreases by the end of Y2 Number of animals <u>recorded on game cameras</u> decreases by the end of Y2 	<ul style="list-style-type: none"> Forest patrol reports Hunting records <u>Camera trap reports</u> monitoring reports 	<ul style="list-style-type: none"> Volcanic activity impacts on the forest are minimal Hurricanes do not destroy island infrastructure
<p>Outputs (add or delete rows as necessary) 1. Knowledge of existing feral livestock in and around the Centre Hills boundary is increased</p>	<ul style="list-style-type: none"> Baseline assessment completed by end of Y1 DOA and DOE use data to inform activities by end of Y2 	<ul style="list-style-type: none"> Centre Hills boundary map (crops, livestock areas) Report on pig and goat control methods DOA, DOE business plans 	<ul style="list-style-type: none"> Human resource capacity is available on Montserrat to collect data

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Project summary	Measurable Indicators	Means of verification	Important Assumptions
2. Technical expertise is enhanced and new skills developed in the monitoring and control of feral livestock	<ul style="list-style-type: none"> 10 persons trained by Y2 	<ul style="list-style-type: none"> Training certificates Training reports 	<ul style="list-style-type: none"> Persons are interested to undertake training on Montserrat
3. Options to control feral livestock in and around the Centre Hills are assessed	<ul style="list-style-type: none"> Key stakeholders agree on preferred option to control feral livestock and sign off action plan 	<ul style="list-style-type: none"> Workshop report Feral livestock control plan 	<ul style="list-style-type: none"> Continued co-operation between stakeholders
4. Actions to control feral livestock in and around the Centre Hills are improved	<ul style="list-style-type: none"> Number of livestock registered has increased by end of Y2 Actions identified in feral livestock action plan are undertaken by end of Y2 	<ul style="list-style-type: none"> Livestock register DOE/DOA monthly reports 	<ul style="list-style-type: none"> Trained staff remain on Montserrat
5. Policies on livestock management are strengthened	<ul style="list-style-type: none"> Review of existing policy completed by mid Y2 Recommendations integrated into DOA and DOE business plans by end of Y2 	<ul style="list-style-type: none"> Review of policy report DOA business plan DOE business plan 	<ul style="list-style-type: none"> There is political will on Montserrat to improve livestock management
6. Awareness is raised on Montserrat and in the Caribbean about the impacts of feral livestock on biodiversity and livelihoods	<ul style="list-style-type: none"> 2 reports in media/yr 2 updates posted on DOE website/yr >3 islands receive copy of <u>feral livestock</u> manual Project is presented at 2 conferences by end of Y2 	<ul style="list-style-type: none"> Newspapers, radio bulletins Website hits 	<ul style="list-style-type: none"> Media continue to support project

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Activities (details in workplan – pg 19)

0. Memo of Collaboration signed, Identify local project co-ordinator, Monthly teleconference to discuss project progress, Plan stakeholder workshop, Establish Hunter group, Stakeholder workshop to agree workplan, Project Steering Committee established and meeting 2/year, Inform landowners of monitoring activity, Reports submitted to Darwin,
1. Build Boar Operating System (BOS) on Montserrat, Procure equipment, Plan fieldwork, Collect and store feral pigs, Test BOS monitoring, Agree system to map livestock and agricultural plots on CH boundary, Survey existing public attitudes to pig consumption, Desk review of pig and goat control methods, Draft demonstration project report, Summarise results, Workshop to present project results
2. Prepare training material, Training to deliver monitoring, Training to collect biological data, Montserratian participation at International Wild Boar Conference
3. Review report on the control and management of feral pigs and goats circulated, Stakeholder workshop to agree on options, Feral livestock control plan produced, Agree livestock demonstration project
4. Actions implemented to control feral livestock, Complete analysis on control data, Livestock demonstration project (fencing, tethering, fodder crops etc.) implemented, Rapid assessment of tethered livestock
5. Clarify procedures on use of firearms, Review existing livestock policy and prepare report with recommendations, Circulate draft livestock policy report and integrate recommendations into DOA
6. Present project at Cayman Conference, Produce press releases, Radio Interviews, Website postings, Feral pig manual, Dissemination of manual, Presentation of papers, Poster

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Monitoring activities:

- Indicator 1 Populations of key species (Montserrat oriole) remain stable by end of Y2 – Collected annually by DOE. Analysis completed June 09, 10, 11
- Indicator 2 Water quality does not deteriorate and supply remains at the same level by end of Y2 – Collected annually by MWA (dates to be confirmed)
- Indicator 3 Livestock management around the Centre Hills boundary is improved by end of Y2 – Rapid assessment of number of tethered livestock at start and end of project
- Indicator 4 Number of sightings of feral livestock in the Centre Hills decreases by the end of Y2 – Collected weekly by Monthly by forest patrols, Adhoc hunters
- Indicator 5 Catch per unit hunting effort decreases by end of Y2 – Hunter records collected continuously through project
- Indicator 6 Number of animals recorded on camera traps decreases by end of Y2 – camera trap monitoring before and after control action
- Indicator 7 Baseline assessment completed by end of Y1 – Camera trap summary report and presentation to workshop
- Indicator 8 DOA and DOE use data to inform activities by end of Y2 – DOE/DOA business plan (2011 onwards)
- Indicator 9 10 persons trained by Y2 – Workshop attendance lists and number of certificates issued
- Indicator 10 Key stakeholders agree on option to control feral livestock and sign off action plan – Workshop report (March 2010)
- Indicator 11 Number of livestock registered has increased by end of Y2 – DOA livestock register is updated by end of project (collect copy at start and end of project)
- Indicator 12 Actions identified in feral livestock action plan are undertaken by end of Y2 – Updates provided in monthly reports, meetings and phonecalls (copies to be collected)
- Indicator 13 Review of existing policy completed by mid Y2 – Report circulated October 2010
- Indicator 14 Recommendations integrated into DOA and DOE business plans by end of Y2 - 2011 onwards
- Indicator 15 2 reports in media/yr - newspaper reports and radio interviews collected
- Indicator 16 2 updates posted on DOE website/yr – check website
- Indicator 17 >3 islands receive copy of pig manual – distribution list (March 2011)
- Indicator 18 Project is presented at 2 conferences by end of Y2 – Cayman UK OTEP conference (June 09) and International Conference on WildBoar UK (September 2010)

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19. Provide a project implementation timetable that shows the key milestones in project activities. Complete the following table as appropriate to describe the intended workplan for your Post Project.

Activity	Who	Months	Year 1				Year 2			
			1	2	3	4	1	2	3	4
0. Project management arrangements in place and operational										
0.1 Memorandum of collaboration signed	RSPB	1,2	X							
0.2 Identify local project co-ordinator	RSPB,DOE	2	X							
0.3 Monthly teleconference to discuss project progress	RSPB, CSL, DOE, DOA	1 - 24	X	X	X	X	X	X	X	X
0.3 Plan stakeholder workshop	RSPB, CSL, DOE	2,3	X							
0.4 Establish hunter group	RSPB,DOE	4		X						
0.5 Stakeholder workshop to agree project workplan	RSPB, CSL, DOE	4		X						
0.6 Project steering committee established and meeting 2/year	RSPB, DOE	4,12		X		X				
0.7 Inform landowners of monitoring activity	RSPB, DOE	4, 12		X		X				
0.8 Report submitted to Darwin	RSPB	6,12,18, 26		X		X		X		X
0.9 Replaced by UK technical expert as project Coordinator										
1. Knowledge of existing feral livestock in and around the Centre Hills is increased										
1.1 Build Boar Operating System (BOS) on Montserrat	CSL, DOE	2,3	X							
1.2 Procure equipment	RSPB	1,2,3	X							
1.3 Plan fieldwork (timing, recording sheets for transects, BOS & hunting)	CSL	1,2,3	X							
1.4 Collect and store feral pigs (4)	DOE	1,2,3	X							
1.5 Test BOS monitoring	CSL, DOE	4		X						
1.6 Agree system to map livestock and agricultural plots on Centre Hills Boundary	RSPB, DOA	4		X						
1.9 Survey existing public attitudes to pig consumption	RSPB, DOA	5,6,7,8, 9		X	X					
1.10 Survey existing livestock owners and numbers and complete livestock and crops map	RSPB, DOA	5,6,7,8, 9		X	X					
1.11 initiate game camera monitoring	CSL, DOE	6		X	X	X	X	X	X	X

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Activity	Who	Months	Year 1				Year 2			
			1	2	3	4	1	2	3	4
1.12 Desk review of pig and goat control methods	CSL	6,7,8,9,10		X	X	X				
1.11 Submit paper on pig control methods	CSL	8			X					
1.12 Summarise data	CSL	8			X					
1.20 Draft (farming) demonstration project report	RSPB, DOA	22								X
1.21 Summarise results from monitoring	CSL	23								X
1.22 Workshop to present project results	RSPB, CSL, DOE, DOA	24								X
2. Technical expertise is enhanced and new skills are developed in the monitoring and control of feral livestock										
2.1 Prepare training material	CSL	3	X							
2.2 Training to deliver monitoring	CSL	4		X						
2.3 Training to collect biological data	CSL	4		X						
2.4 Montserratian participation at International Wild Boar Conference	RSPB, CSL	18					X			
3. Options to control feral livestock in and around the Centre Hills are assessed										
3.1 Review report on the control and management of feral pigs and goats circulated	CSL	11				X				
3.2 Stakeholder workshop to agree on control options	CSL, RSPB	12				X				
3.3 Feral livestock control action plan produced	CSL	12				X				
3.4 Agree livestock demonstration project	RSPB, DOA	12				X				
4. Actions to control feral livestock in and around the Centre Hills are improved										

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Activity	Who	Months	Year 1				Year 2			
			1	2	3	4	1	2	3	4
4.1 Actions implemented to control feral livestock	CSL, DOE	13,14,15					X	X		X
4.2 Complete analysis on control data	CSL	16								X
4.3 Livestock demonstration project (fencing, tethering, fodder crops etc.) implemented	RSPB, DOA	13 - 24					X	X	X	X
4.4 Rapid assessment of tethered livestock at start and end of project	RSPB, DOA	4, 24		X	X	X	X	X	X	X
5. Policies on livestock management are strengthened										
5.1 Clarify procedures on use of firearms	RSPB			X						
5.2 Review existing livestock policy and prepare report with recommendations	RSPB, DOA	13 - 18					X	X		
5.3 Circulate draft livestock policy report and integrate recommendations into DOA	RSPB, DOA	19 - 21							X	
6. Awareness is raised on Montserrat and in the Caribbean about the impacts of feral livestock on biodiversity and livelihoods										
6.1 Present project at Cayman Conference	CSL, RSPB, DOE	3	X							
6.2 2 press releases/yr	CSL, RSPB, DOE	4, 12, 13, 23		X		X	X			X
6.3 2 radio interviews/yr	CSL, RSPB, DOE	4, 12, 13, 23		X		X	X			X
6.4 2 project updates posted on DOE website/yr	DOE	4, 12, 13, 23		X		X	X			X
6.5 Prepare feral <u>livestock</u> manual (ecology and control)	CSL	18 - 22						X	X	X
6.6 Feral pig manual is disseminated on Montserrat and to other Caribbean Islands	CSL	23								X
6.7 1 presentation/paper to international conference/yr	CSL	4, 18	X					X		
6.8 Prepare poster on project	CSL	13					X			

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