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Environmental and Social Assessment Document Resource Series

Burkina Faso ESA Resources on Environment

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Preface

The Millennium Challenge Corporation (MCC) Environmental Guidelines require that compact-eligible countries review environmental and social impacts to ensure that MCC-funded projects are environmentally sound, designed to operate within applicable regulatory requirements, and (as required by the legislation establishing MCC) not likely to cause a significant environmental, health, or safety hazard. To support this process the agency requires all programs to comply with three sets of ESA guidance on environment, gender, and resettlement. MCC's Environment and

This Document Resource Series is the result of a joint effort by the Millennium Challenge Account, Environmental and Social Assessment (ESA) Office in Ouagadougou, Burkina Faso, and the Millennium Challenge Corporation Environmental and Social Assessment (ESA) Office in Washington, DC. This is a living document that will be updated regularly based on new information and feedback from MCA and MCC staff and consultants and their work. Please submit comments or changes to be considered in the next update of this bibliography to Fidèle Hien at fhien@mcaburkina.org or Della McMillan at dellamcmillan@aol.com.

Social Assessment (ESA) Due Diligence Questions are designed to assess the extent to which proposed activities are in compliance with MCC’s Environmental Guidance (#1.iii.a & 1.iii.b, MCC 2006) and to recommend mitigation strategies that will minimize environmental and social impacts. The full Due Diligence process includes 29 questions in six categories (Table 1).

To answer these questions for Burkina Faso MCC fielded a series of preliminary ESA missions in collaboration with the Burkinabe government during the year preceding signature of the Compact. A summary response to the 29 ESA questions is one of the pre-conditions to approval of a Compact.

Table 1. Millennium Challenge Corporation (MCC) Due Diligence Questions

Category	Number of Questions
A. Environmental Legal and Regulatory Structure (for the entire compact)	4
B. Environmental Screening (project by project)	4
C. Environmental and Social Impact Assessment (project by project)	6
D. Health and Safety (project by project)	3
E. Resettlement (project by project)	9
F. Gender and Underrepresented Groups	3
Total	29

Once Burkina signed the Compact (July 2008), the Burkina Millennium Challenge Account (MCA) created its own ESA unit that continues to oversee ESA for the activities it supports (#3.e, MCC 2008). This MCA ESA unit (*Direction des Evaluations Environnementales et Sociales* or DEES) works in collaboration with the MCC ESA structures in Washington DC. The trip reports and documents from the various MCC and MCA ESA missions are the fruit of a substantial US and Burkinabe investment that was designed to ensure that MCC’s programs are both socially and environmentally sound.

The principal objective of the MCC/MCA ESA Document Resource Series is to organize the information and document lists from the various ESA trips and activities in a way that will increase the capacity of MCC and MCA staff members and consultants to use the findings documented in these resources to improve program design, execution, and evaluation. The development of this resource tool should also help various Burkinabe government partners better understand MCC’s ESA guidance and its application to their programs.

The MCC/MCA ESA Document Resource Series is organized into two formats. The first format is this PDF file entitled Burkina Faso ESA Resources on Environment. The second format is a download/archive of all the documents and reports that are referenced in this PDF.

- This **Burkina Faso ESA Resources on Environment document** provides information on the past work related to environmental considerations for MCC/MCA ESA missions for Burkina Faso in three sections.
 - **Section 1.0:** The *Document Summaries* section provides a brief overview of the ESA activities that impact or address environmental concerns and the resulting reports for specific Compact projects and project components in a particular Compact agreement (in this case for Burkina). This section is organized into:
 - Guidance and national policy context trends and documents,
 - MCC ESA Due Diligence questions on environment, and

- Project specific analyses of individual projects that were conducted during the Pre-Compact and Post-Compact Due Diligence and supervision and technical assistance missions.
- **Section 2.0:** The linked *Document Citations Table* provides the full citations for each report or resource, the reference number, and whether the document is available electronically and/or in hard copy. The reference numbers in the Document Citations Table are linked to the actual electronic documents (when viewing this table from the original CD). The priority of the table is to group the documents by timeline and by the type of agency (e.g., MCA, governmental, or non-governmental) that did the work. Therefore, the reference numbers in the table are not in sequential order.
- **Section 3.0:** The *Environment Matrices* cross reference critical issues to key documents summarized in section 1.0 and listed in section 2.0. The idea behind creating separate matrices is to allow users to quickly identify the resources they need to be familiar with for specific common critical issues. For example, if a contractor or USAID is interested in knowing about the issue of endangered species in some of the areas slated for irrigation development, he/she could refer to the row labeled “protected” species that intersects with the AD project irrigation component (Matrix 3.2).
- **Archive:** The second format of this bibliography tool is a compilation of the actual documents referenced in this Burkina Faso ESA Resources on Environment summary document. The referenced documents are available on CD. The file names are listed by the reference numbers used in Section 2.0 below.

1.0. Document Summaries

1.1. Guidance and National Policy Context

MCC Policy Context (Environment)

Classification: As early as possible in the Compact proposal review process, MCC screens each project as described in the MCC environmental guidelines (#1.i.a and #1.i.b, MCC 2006). As part of its environmental screening, MCC excludes any project that is “likely to cause a significant environmental, health, or safety hazard.” The same screening process classifies projects that pass this initial screening based on their potential environmental and social impact and the level of environmental review that is likely to be required (#1.i.a & #1.i.b, MCC 2006).

Category A: A project is classified as Category A if it has the potential to have significant adverse environmental and social impacts that are sensitive, diverse, or unprecedented. For Category A projects, MCC requires:

- An Environmental Impact Assessment (EIA) to evaluate the environmental and social risks and impacts of a specific project and
- An Environmental Management Plan (EMP).

Category B: A project is classified as Category B if its potential environmental and social impacts are less adverse than those of Category A projects. Typically, these impacts are site

specific. For a Category B project, MCC requires specific environmental and social impact assessments including Environmental Management Plans (EMP), as appropriate.

Category C: A project is classified as Category C if it is unlikely to have adverse environmental and social impacts. While MCC generally will not require environmental and social impact analysis for a Category C project, MCC reserves the right to require specific environmental and social impact studies, reporting, or training where relevant or where positive environmental and social impacts may be enhanced.

Category D: A proposed project is classified as Category D if it involves an intermediate facility (such as a municipal public grant fund or a specific financial facility under an MCC project) that will use MCC funding to finance sub-projects that may potentially result in adverse environmental and social impacts. The host country must require that sub-projects under Category D projects comply, at a minimum, with its own environmental and social impact analysis standards, as well as relevant laws and regulations. MCC reserves the right to set additional environmental performance standards and monitoring requirements for sub-projects on a case by case basis, depending on the nature of the intermediate facility.

Consultation: Consistent with MCC's principle of host country ownership of the projects, implementing entities are expected to incorporate timely participatory and meaningful public consultation in the development of Compact-related environmental assessments, analyses, and Environmental Management Plans.

1.2. MCC ESA Due Diligence Questions on Environment

Seventeen of the 29 MCC/MCA ESA questions to which countries must submit answers or responses prior to approval of their Compact focus on four broad categories of environmental issues: a detailed review of (Box 1): environmental legal and regulatory structure (for the whole Compact), environmental screening (project by project), environmental and social impact assessment (project by project), and health and safety issues (project by project). Various national consultants and MCC staff reviewed the existing government environmental assessments for each of the projects and (in most cases) conducted field visits to ground truth these existing studies and/or to gather new information.¹ Based on these consultant and staff reviews, Oliver Pierson (MCC) and Fidèle Hien (MCA) prepared the final ESA responses that were incorporated into the final Due Diligence report that was submitted to the MCC board (#3.i, MCC 2008 and #3.ii, MCC 2008).

National Global and Sector-Specific Policy Documents Relevant to Environment

The Burkinabe government has strict global and sector specific environmental policies for most sectors. The critical national policies are addressed in the four questions of section A of the 17 ESA questions related to environment (Box 1) in the Due Diligence reports of the various projects (#3.i, MCC 2008 and #3.ii, MCC 2008).

¹ These studies are described later in the text for specific projects.

Box 1. MCC and MCA ESA Due Diligence Questions on Environment

A. Environmental Legal and Regulatory Structure (for the whole Compact)

1. How well do the country's environmental laws and regulations, as well as capacity for implementation and oversight, satisfy MCC Environmental Guidelines?
2. Do requirements exist in the country for Environmental and Social Impact Assessments (ESIAs), environmental analysis, and Environmental Management Plans, and if so, what are the determining factors?
3. What is the process and timeline of the ESIA review?
4. Do existing environmental requirements include social impact assessment?

B. Environmental Screening (project by project)

1. Is the project likely to cause a significant environmental, health, or safety hazard as defined in the MCC Environmental Guidelines?
2. Is the project in a sensitive sector? (Suggestive list is included in the MCC Environmental Guidelines.)
3. Will any of the project activities be located in or near any environmentally, socially, or culturally sensitive areas? (Suggestive list included in the MCC Environmental Guidelines.)
4. What is the environmental screening category determination, in accordance with MCC Environmental Guidelines (provide screening category justification)?

C. Environmental and Social Impact Assessment (project by project)

1. What kind of environmental review will be required for the activities based upon country requirements?
2. What kind of environmental review will be required for the activities based upon MCC requirements?
3. What environmental analysis has been conducted on the project(s) to date, including any existing or related Environmental and Social Impact Assessments (ESIAs)?
4. If there has been environmental and social impact analysis undertaken, what is the quality?
5. If there hasn't, what is the process to accomplish the environmental analysis that will be required by the country and by MCC?
6. For existing ESIAs, what public consultation has occurred in the ESIA process and where and when will the ESIAs and component parts, to include Resettlement Action Plans (where relevant), be publicly disclosed?

D. Health and Safety (project by project)

1. What project-related safety issues exist to include potential impacts on occupational and public health and safety, including disease transmission and worker safety?
2. Is the project located in an area subject to natural disaster risk?
3. Has the project incorporated design features for handicap access?

Source: #2, MCC 2008.

1.3. Project Specific Analyses: Agricultural Development (AD) Project

The Agricultural Development (AD) project has three components: water management and irrigation,² diversified agriculture, and rural finance services. Most of the environmental Due Diligence work was conducted on specific sub-components and, in many cases, specific sites. These sites and sub-components are specified in the matrix (Matrix 3.2 below).

² The rural roads issues of the AD project are included in the Roads Project.

Water Management and Irrigation

In early 2007, John Buursink conducted a site visit to assess various environmental issues that the Burkinabe government would need to consider in the agricultural project design for the upper Sourou (#11, Buursink 2007). Ouédraogo I.T. Vincent de Paul prepared a similar review in 2007 for the proposed irrigation area in the Comoe (#13, Ouedraogo 2007).

The initial environmental Due Diligence on the Burkinabe government's proposed irrigation schemes for the Sourou and Comoe valleys was prepared by Roche (#10.i-#10.x). This was followed by a second, smaller ESA mission to assess some of the newly proposed alternative sites in both the Comoe and Sourou valleys (#10.xi).

Alan Schroeder conducted a Due Diligence mission focused on potential pesticide issues (#14.ii, Schroeder 2008).

John Buursink (in collaboration with Fidèle Hien) conducted a very detailed environmental Due Diligence on the Kouri scheme, which reviews the most relevant Roche documents and makes recommendations for addressing some of the environmental issues raised in these documents (#12.i, MCC 2008 and #12.ii, Buursink 2008).

Rural Roads

The Due Diligence on the rural roads sub-component was not conducted as part of the global ESA review by Roche (#10.vi, Roche 2008). The issue of Due Diligence for this sub-component has been complicated by the fact that the design and location of the AD Project roads has changed repeatedly and has only been decided after the Due Diligence review ended.

Diversified Agriculture

Larry Quinn conducted the initial ESA review for the environmental and resettlement issues related to the market component of the AD Project (#403, Quinn 2007 and #405, Quinn 2008). During a second review, Quinn conducted a more specific review of the environmental issues associated with the market re-development sub-component (#406, Quinn 2008 and #407, Quinn 2008).

Rural Finance Facility

No environmental issues were identified for this sub-component; even though it is acknowledged that some of the specific projects to be funded under the RRF (Rural Finance Facility) will require environmental assessments.

All Components

Based on these and various trip reports by MCC and MCA staff, Fidèle Hien produced a revised response to the 17 questions for the three relevant components of the AD Project.³

1.4. Project Specific Analyses: Rural Land Governance (RLG) Project

The initial design of the Rural Land Governance (RLG) Project involved ten *fiches* (forms)—each with a relatively distinct set of local and national partners. These ten forms (whose title and activities evolved during the Pre-Compact phase) were regrouped into three official activities:

- Activity 1: Support to the Development of Legislation, Produce Guides to Support Implementation of the New Law, and Disseminate New Legislation;
- Activity 2: Support Institutional Development and Capacity Building; and
- Activity 3: Site Specific Interventions to Improve Land Tenure and Management.

The Entire Project

An early concept paper by Paul DeWit described the underlying philosophy of the project and its expected environmental impact (#201, DeWit 2007). Additional Due Diligence on the different components of the RLG Project was conducted by Oliver Pierson and John Richart (#202, MCC 2007). Based on these different inputs, various team members contributed to the first draft response to the ESA questions (#200, MCC 2007).

Activity 1: Legislation/Laws

The potential environmental impacts of the various legislative reforms were addressed by general ESA review questions (#200, MCC 2007; #3.i, MCC 2008 and #3.ii, MCC 2008).

Activity 2: Institutional Development and Capacity Building

The principal resettlement issues related to Activity 2 are those associated with the construction of the commune buildings.

- Oliver Pierson (MCC) and Larry Quinn (MCC consultant) conducted the initial environmental and resettlement ESA on the 17 pilot commune building sites in association with Alamoussa Cheick Traore (MCA/BF) using a standard checklist (#404 Quinn 2007 and #203, Pierson 2007).
- One year later (just after signature of the Compact) MCC consultants Della McMillan and Issa Zerbo (in association with Fidèle Hien [MCA/BF]) revisited the 17 sites to re-assess the original checklist and to facilitate completion of documentation of the land tenure status of the sites. The same mission identified several communes that were proposing alternative sites and assisted in completion of almost all the missing documentation on the land tenure status of the sites (#402.i, McMillan and Zerbo 2008 and #402.ii, McMillan and Zerbo 2008).

³ 1.1. Water management and irrigation; 1.2. Rural roads and other infrastructure (including livestock corridors on scheme), and 1.3. Diversified agriculture (communal pastures and improvements to district markets).

- MCA policies on environment and resettlement were presented and discussed during the first stakeholders meeting with the commune mayors in October 2008 (under the direction of Fidèle Hien) (#950, MCA/Burkina Faso 2008).
- In connection with the first stakeholders workshop, Larry Quinn and Issa Zero revisited two of the communes (Kampti and Bama) that proposed alternative sites in 2008, as well as two sites slated for market interventions under the AD Project (#407, Quinn 2009) in order to “ground truth” the responses to the environmental and technical checklists at the two new sites.

Activity 3: Site Specific Land Tenure Interventions

A useful summary of Burkina’s environmental laws, rules, and regulations in relation to the World Bank PNGT2 project, which also intervenes in community based land management, is found in various PNGT2 documents (#600-#610). To support site specific land tenure interventions, MCA hired a consultant to develop operational tools (guides) including a “*guide de reinstallation involontaire à base communautaire*” (Guide for community based involuntary resettlement).

1.5. Project Specific Analyses: Roads Project

The first environmental Due Diligence for the Roads Project was conducted as part of the initial Due Diligence by Sterling (#300.i-#300.iii, Sterling Merchant Finance Ltd. 2007). Several site-specific environmental assessments were also conducted (#302.i-#303) since many of the sites proposed for roads construction and rehabilitation have changed. Various environmental assessments on other donor-funded projects (including those funded by the World Bank, which requires an equivalent level of environmental screening) are included in the archive (#700-#710).

1.6. Monitoring of Environmental Indicators

Under the Implementing Entity Agreement (IEA) with the Burkina Faso Ministry of Environment (MECV), a number of tasks will be performed by MECV to support Compact activities from an ESA point of view. This will include the monitoring of environmental indicators across all Compact projects. This is quite an innovative approach since in the majority of MCC countries, there tends to be a lack of coordination between monitoring and evaluation (M&E) and ESA in terms of tracking achievements in the environmental and social fields.

2.0. Burkina Faso ESA Resources on Environment: Document Citations

Reference Number	Hard Copy=H, Electronic Version=E Inaccessible=0 MCC/W: MCC/ Washington Internet Site	Citation
1.i.a	E	MCC. 2006. Millennium Challenge Corporation Environmental Guidelines. Washington DC: MCC. (January 20, 2006).
1.i.b	E	French of 1.i.a
1.ii	E	MCC. 2007. Chapter 20. Guidelines for Environmental and Social Assessment. Washington DC: MCC.
1.iii.a	E	MCC. 2006. Environmental Guidance (English).
1.iii.b	E	MCC. 2006. Directives Environnementales (French of 1.iii.a)
2	E	MCC. 2008. Official List of 29 MCC ESA Questions (in English) (including instructions).
3.i	E	MCC. 2008. Burkina Faso ESA Due Diligence Book (merged and clean). Washington DC: MCC. (June 26, 2008).
3.ii	E	Due Diligence Questions.
3.iii	E	MCC. 2008. Investment Memorandum: Burkina Faso. Washington DC: MCC (April 18, 2008).
3.iv	E	MCC. 2008. Burkina Faso Compact-wide IEA with the Ministry of Environment. Ouaga: MCA. (July 2008).
3.v	E	<i>MCC. 2008. Note d'information sommaire sur la Direction des Evaluations Environnementales et Sociales.</i>
10.i	H	Roche. 2008. Hydro-Agricultural Projects. Interim Reports Due Diligence. Washington DC: MCC/ESA (Draft Final Interim Reports: ESA Due Diligence, Lery, Danguoumana, Di, Comoé).
10.ii	E	Roche. 2008. Hydro-agricultural Projects. Due Diligence — Comoé Project. Draft Final Interim Report.
10.iii	E	Roche. 2008. Hydro-agricultural Projects. Due Diligence—Sono-Koury. Draft Final Report. February 2008.
10.iv	H	Roche. 2008. Hydro-agricultural Projects. Interim Report. Due Diligence. (Pp. 107-114 on Resettlement)
10.v	E	Roche. 2008. Hydro-agricultural Projects Interim Report. Lery.
10.vi	E	Roche. 2008. Hydro-agricultural Projects. Access and Mobility Final Report.
10.vii	E	Roche. 2008. Hydro-agricultural Projects. Due Diligence—Di. Draft Final Report.
10.viii	E	Roche. 2008. Hydro-agricultural Projects. Due Diligence—Danguoumana.
10.ix	E	Roche. 2008. Annexes A-E.
10.x	E	Roche. 2008. Annexes F-J.
10.xi	E	Roche. 2007. Supplemental Mission for Selection of Alternatives Sites in Sourou Valley. Montreal: Roche (November 2007).
11	E	Buursink, John. 2007. Due Diligence Report on Environmental Aspects. Burkina Faso MCA Proposal. Proposed Project Integrated Development and Management of the Upper Mouhoun. Washington DC: MCC/ESA (February 2007).
12.i	E	MCC. 2008. John Buursink. SOW for ESA of Kouri Irrigation Project Proposal. SOW includes ICID checklist. (March 2008).
12.ii	E	Buursink, John. 2008. Burkina Faso MCA Compact Proposal Agricultural Development Project. Environment/Social Assessment Due Diligence Trip Report and Analysis. March 12 - 21, 2008. John Buursink. Washington DC: MCC.

Reference Number	Hard Copy=H, Electronic Version=E Inaccessible=0 MCC/W: MCC/ Washington Internet Site	Citation
12.iii	E	Briefing Paper: <i>Données Relatives aux Conditions Environnementales de la Zone de Sono-Kouri</i> . Source : <i>Etude du plan directeur d'aménagement du bassin supérieur du Mouhoun au Burkina Faso : volume II, Etude de faisabilité, septembre 1994. Ministère de l'Eau (Burkina Faso)/ Agence japonaise de coopération internationale (JICA).</i>
13	H	<i>Ouedraogo, I.T. Vincent de Paul. 2007. Notice d'Impact sur l'Environnement du Projet d'Amenagement des Bas-Fonds dans la Comoe. Tengrela-Diarabakoko (PAB/D). Rapport Provisoire.</i>
14.i	E	MCC. 2008. SOW. Alan Schroeder and Larry Quinn. Environmental Assessment. Regional Agricultural Development Project. (January 22-February 6, 2008).
14.ii	E	Alan Schroeder. 2008. Trip Report: ESA Assessment. Pesticides.
15.i	E	<i>BEM 2006. Etude Technico-économique pour l'Aménagement de 2000HA à Dangoumana dans la Vallée du Sourou. Vol 3. Rapport Pédologique. Version Définitive. Ouagadougou: BEM (Avril 2006).</i>
15.ii	E	<i>BEM 2006. Etude Technico-économique pour l'Aménagement de 2000HA à Dangoumana dans la Vallée du Sourou. Vol 7. Etude d'Impact Environnemental. Suivie du plan de gestion environnementale et sociale. Version Définitive. Ouagadougou: BEM. (Avril 2006).</i>
15.iii	E	<i>BEM 2006. Etude Technico-économique pour l'Aménagement de 2000HA à Dangoumana dans la Vallée du Sourou. Vol 4-7. Rapport Socio-économique. Version Définitive. Ouagadougou: BEM. (Avril 2006). (Covers only; no text)</i>
16	E	MCC. 2006. Scope of Work for Leah Sullivan. Environment and Social Assessment Due Diligence Mission to Burkina Faso. (December 1-12, 2006).
200	H	MCC. 2007. Revised RLG/Land Project ESA Burkina Faso Due Diligence Questions. Draft#1. Washington DC. (September 11, 2007).
201	E	Dewit, Paul. 2007. Communal Land Use Management in Burkina Faso. Concept Note. Washington DC: MCC (May 7, 2007).
202	E	MCC 2007. SOW. Jon Richart and Oliver Pierson. Environment and Social Assessment. September 15- October 7, 2007. Washington DC: MCC.
203	E	Pierson, Oliver. 2007. Burkina Faso ESA Due Diligence Mission. ESA Diligence of the Land Project and Participation in Ag-Hydro Interim Report Briefing. Washington DC: Millennium Challenge Corporation/Environmental and Social Assessment. (October 13-25, 2007).
300.i	E	Sterling Merchant Finance Ltd. 2007. Due Diligence of Burkina Faso Roads Proposals. Final Report. Part I-Due Diligence Results. Washington DC: Sterling Merchant Finance Ltd. (Internal Report+ 2 annexes) (November).
301	H	<i>Tecslult. 2002. Etude d'Evaluation Environnementale et Sociale du Secteur des Transports. Rapport Final. Montréal : Tecslult International Limited for Ministère des infrastructures, des transports et de l'habitat.</i>
302.i	E	Yohannes Abebe, Awa Bamba, and Leah Sullivan. 2006. Infrastructure/Environment and Social Assessment Trip Report Due Diligence Mission to Burkina Faso. December 1-14, 2006. Washington DC: MCC.
302.ii	E	Water and Irrigation Development and Management Activity. Burkina Faso. Infrastructure Aspects. (March 16, 2008).

Reference Number	Hard Copy=H, Electronic Version=E Inaccessible=0 MCC/W: MCC/ Washington Internet Site	Citation
303	E	<i>AEM. 2007. Etude Environnementale. Etudes de Faisabilité Technico-économique et Environnementale des Travaux de Construction et de Bitumage de la Route Koudougou-Réo-Tougan (RN21) dans le Cadre des Travaux de Construction et de Bitumage de 537 km de Route Inscrites au Programme du MCC. AEM pour MCA (Mai 2007).</i>
Cross-Sector MCC/MCA ESA Reports		
400	E	McMillan, Della E. 2008. Involuntary Settlement Review (OP4.12) of the Agricultural Development (AD) Project: Diversified Agriculture Activity and Land Tenure Project. Environmental and Social Assessment Due Diligence. Washington DC: Millennium Challenge Corporation. (Draft March 9, 2008, Revised April 25, 2008).
401	E	McMillan, Della E., Issa Zerbo, and Belko Sidibe. 2008. Involuntary Resettlement Review (OP4.12) of the Agricultural Development (AD) Project: Kouri Irrigation Scheme. Washington DC: Millennium Challenge Corporation.
402.i	E	McMillan, Della E. and Issa Zerbo. 2008. Final Environmental and Social Assessment (ESA) Site Review of the Commune Building Component for 17 Pilot Communes in the Rural Land Governance (RLG) Project. Ouagadougou: Millennium Challenge Corporation. (Draft September 29, 2008, Revised October 13, 2008 and December 23, 2008).
402.ii	E	McMillan, Della E. and Issa Zerbo. 2008. Final Environmental and Social Assessment Site Review of the Commune Building Component for 17 Pilot Communes in the Rural Land Governance (RLG) Project. <i>Aide mémoire</i> (Debriefing). Ouagadougou: Millennium Challenge Account.
403	E	Quinn, Larry. 2007. Mission Report, MCC and MCA-Burkina. Burkina Faso Structures. 30 July to 10 August 2007. Washington DC: Millennium Challenge Account/Environmental and Social Assessment. (August 24).
404	E	Quinn, Larry. 2007. Mission Report, MCC and MCA-Burkina. Burkina Faso Commune Buildings. 30 October to 14 November 2007. Washington DC: Millennium Challenge Account/Environmental and Social Assessment (December 24).
405	E	Quinn, Larry. 2008. Mission Report, MCC and MCA-Burkina. Burkina Faso RADP Structures and ESA Issues. 23 January to 7 February 2008. Washington DC: Millennium Challenge Account/Environmental and Social Assessment (February 18).
406	E	Quinn, Larry. 2008. Mission Report, MCC and MCA-Burkina. Burkina Faso Commune Buildings and Market Improvements. 19 October to 3 November 2008 (November 6).
407	E	Quinn, Larry. 2009. Mission Report, MCC and MCA-Burkina. Burkina Faso IWRM Planning. 23 March to 4 April 2009. Washington DC: Millennium Challenge Account/Environmental and Social Assessment (April 4).
Relevant Policy Documents (Government of Burkina)		
500	E	<i>Presidence du Faso. « Décret N° 2001-342/PRES/PM/MEE portant champ d'application, contenu et procedure de l'étude et de la notice d'impact sur l'environnement »</i>
501	E	<i>Ministere de l'environnement et du Cadre de Vie. 2006. Arrete no. 2006-</i>

Reference Number	Hard Copy=H, Electronic Version=E Inaccessible=0 MCC/W: MCC/ Washington Internet Site	Citation
		<i>025/MECV/CAB portant Creation, Attributions, Composition et Fonctionnement du Comite Technique sur les Evaluations Environnementales (CO.T.V.E)</i>
502	E	<i>Decret no. 2005-040/PRES/PM/MECV portant organisation du Ministere de l'Environnement et du Cadre de Vie.</i>
503	E	<i>Loi N°034-2002/AN (JO N° 01 2003). portant Loi d'Orientation Relative au Pastoralisme au Burkina Faso.</i>
504	E	<i>Loi N° 055-2004/AN. Portant Code General des Collectivités Territoriales au Burkina Faso. Ouagadougou : Direction du Projet Inforoute des Collectivités Locales (DPICOL) Mars 2005</i>
505	E	<i>Loi N° 031-2003/AN Portant Code Minier au Burkina Faso.</i>
506.i	E	List 1. List of environmental texts and laws.
506.ii	E	List 2. List of environmental texts and laws.
507	E	<i>Arrete no. 2006-014 bis/MECV/SG/DGACV portant Organisation et Fonctionnement de la Direction Generale d'Amelioration du Cadre de Vie.</i>
508	E	<i>Loi N°006/97/ADP du 31 janvier 1997 Portant Code Forestier au Burkina Faso.</i>
509	E	<i>Loi N°005/97/ADP du 30 janvier 1997 Portant Code de l'Environnement au Burkina Faso.</i>
510	E	<i>Arrete No. 2005-043/MECV/CAB portent organisation et fonctionnement du Secrétariat Permanent du Conseil National pour l'Environnement et le Developpement Durable (SP/CONEEDED)</i>
511	E	<i>Decret N° 98-322/PRES/PM/MEE/MCIA/MEM/MS/MATS/METSS/MEF portant conditions d'ouverture et de fonctionnement des établissements dangereux, insalubres et incommodes. (JO no 33 1998)</i>
512.i	E	<i>Decret 97-54/PRES/PM/MEF du 6 février 1997(JO no 11 1997), portant conditions et modalités d'application de la loi sur la Réorganisation Agraire et Foncière au Burkina Faso.</i>
512.ii	E	<i>Same as 512.i with list of decrees</i>
513	E	<i>Loi N°002-2001/AN (JO N°23 2001) Portant Loi d'Orientation Relative a la Gestion de l'Eau.</i>
514	E	<i>Decret no. 2001-185/PRES/PM/MEE portent fixation des norms de rejets de polluants dans l'air, l'eau et le sol.</i>
515	E	<i>Règlement no. 04/2005/CM/UEMOA portent harmonisation des réglementations relatives a l'importation, a la commercialisation, a l'utilisation et la réexportation des substances qui appauvrissent la couche d'ozone (SAO) et des équipements le contenant.</i>
Relevant Government Policy and Project Documents (PNGT Project)		
600	E	Environmental Resources Management (ERM). 2003. Environmental and Social Management Framework: Community-Based Rural Development. Washington DC: ERM.
601	H	Environmental Resources Management (ERM). 2003. Process Framework: Community-Based Rural Development. Washington DC: ERM.
602	H	Environmental Resources Management (ERM). 2003. Resettlement Policy Framework: Community-Based Rural Development. Washington DC: ERM.
603	E	<i>PNGT2. 2007. Comparaison entre les Procédures Nationales et les Procédures de la Banque Mondiale. Ouagadougou : PNGT2. (Unpublished Manuscript).</i>

Reference Number	Hard Copy=H, Electronic Version=E Inaccessible=0 MCC/W: MCC/ Washington Internet Site	Citation
604	E	<i>Serf, S. 2006. Cadre de Gestion Environnementale et Sociale. Version amendee. Ouagadougou : PNGT2.</i>
605	E	<i>Audit Environnemental et Social du PNG2. Rapport Definitif. Ouagadougou : PNGT (Septembre 2006).</i>
606	E	<i>Serf, S. 2006. Cadre Politique de Réinstallation. Version amendee. Ouagadougou : PNGT2. (Octobre 2006).</i>
607	E	<i>(no author). Méthodologie de sécurisation foncière des sites d'investissements communautaires.</i>
608	E	<i>Kabou, C.T. Capitalisation des expériences de sécurisation foncière en milieu rural du Burkina Faso dans le secteur de la faune.</i>
609	E	<i>Sanou, Saidou, Brahim Z. Ouattara, and Fidèle Toe. 2004. Capitalisation des expériences de sécurisation foncière en milieu rural du Burkain Faso dans le secteur des aménagements hydro-agricoles. Cas des plaines de Banzon, de Niena-Dionkele, et de l'AMVS-Sourou. Ouagadougou : MAHRH (pour le PNGT2).. Novembre 2004.</i>
610	E	<i>Kagone, Dr. Ir Hanade. Capitalisation des expériences de sécurisation foncière en milieu rural du Burkina Faso. Expériences dans le secteur de l'élevage. Rapport final. Ouagadougou : PNGT2..</i>
611	E	<i>Termes de Référence pour la mise à jour des Cadres de Gestion Environnementale et Sociale et le Plan Cadre de Réinstallation du PNGT, Phase 2. Ouagadougou : PNGT2. (Juin 2006).</i>
Relevant Government Policy and Project documents (Roads Project)		
700	E	<i>Associated Engineers (AE). 2007. Etudes de faisabilité technico-économique et environnementale des travaux de construction et de bitumage de la Route Leo-Sabou-Koudougou (RN 13). Etude Environnementale. Version définitive. Rome: AE for Ministère des infrastructures et du désenclavement. Secrétariat Général. Direction Générale des routes. Direction de la Planification des études et du suivi. (Mai 2007).</i>
701	E	<i>TECSULT (Tecsult International Limited). 2002. Etude d'Evaluation Environnementale et sociale du secteur des transports. Rapport Final. Québec : TECSULT for the Ministère des Infrastructures, des transports et de l'habitat. (Novembre 2002).</i>
702	E	<i>TECSULT. 2002. Cadre de Politique de Déplacements et de Compensations. Rapport Final. Québec : TECSULT (Novembre 2002).</i>
703	E	<i>IDA. 2002. Basic Project Data (Briefing Sheet).Burkina Faso Transport Sector Project.</i>
704	E	<i>No Author. 2007. Résumé du plan de gestion environnementale et sociale (APSD Kéné Dougou). Etude de faisabilité technico-économique, d'impact sur l'environnement et technique détaillée et élaboration de DAO de 55 km de pistes rurales dans les Haut Bassins.</i>
705	E	<i>Ministère des infrastructures et du désenclavement. 2006. Présentation de la cellule de gestion environnementale et sociale. Ouagadougou : Cellule de gestion environnementale et sociale, Ministère des infrastructures et du désenclavement. (Septembre 2006).</i>
706	E	<i>No Author (cover page missing). Rapport Environnemental Définitif. Travaux de construction et de bitumage de la route nationale No. 19 Kantchari-Diapaga et la Départementale D08 Diapaga-Tansarga-Frontière du Benin (145 km).</i>

Reference Number	Hard Copy=H, Electronic Version=E Inaccessible=0 MCC/W: MCC/ Washington Internet Site	Citation
707i-v	E	<i>L'actualisation des études de faisabilité technico-économique, environnementale et technique détaillée des travaux de construction et de bitumage de la route Nationale no. 22 Kongoussi-Djibo-Baraboulé-Frontière du Mali (160 km) (report + annexes).</i>
708	E	<i>MAHRH. 2006. Plan de Gestion des Pestes et des Pesticides. Rapport Final. Ouagadougou : Institut Géographique du Burkina Etudes, Recherches, Appuis—Conseils et formation (Janvier 2006).</i>
709	E	<i>MAHRH. 2007. Etude d'Impact Environnementale. Programme d'Appui aux Filières Agro-Sylvo-Pastorales. Ouagadougou : Bureau Geographique du Burkina Etudes, Recherches, Appuis—Conseils et formation (Janvier 2006).</i>
710	E	AEM. 2007. Environmental Survey Component. Technical Economic and Environmental Feasibility Surveys for Asphaltting and Building Works of Koudougou Réo-Tougon National Highway (RN21). Ouagadougou: AEM for the Ministry of Infrastructure (May 2007).
Relevant Government Policy and Project Documents (Girls Education)		
800	H	USAID. Girls Education. IEE Document. 2005-2007. (Briefing paper).
Other Non-Governmental Social and Demographic Studies in the Projected Areas for Intervention		
900	H	McMillan, Della E. 1995. Sahel Visions: Planned Settlement and River Blindness Control in Burkina Faso. Tucson: University of Arizona Press.
901	E	McMillan, Della E., Thomas Painter, and Thayer Scudder. 1992. Settlement and Development in the River Blindness Control Zone. World Bank Technical Paper 192. Washington DC: The World Bank.
902	E	McMillan, Della E., Jean-Baptiste Nana, and Kimseyinga Savadogo. 1993. Settlement and Development in the River Blindness Control Zone; Case Study Burkina Faso. World Bank Technical Paper Number 200. Washington DC: The World Bank.
903	E	Stanley Wood, Kate Sebastian, Freddy Nachtergaele, Daniel Nielsen, and Aiguo Dai. 1999. Spatial Aspects of the Design and Targeting of Agricultural Development Strategies. EPTD Discussion No. 44 Washington DC: IFPRI.
Proceedings of Relevant Stakeholder Meetings		
950	H	MCA/Burkina Faso. Proceedings: 1 st Meeting with the Mayors of the Pilot Communes to Discuss MCC and MCA's Resettlement Guidelines and the Global Project.

3.0. Burkina Faso ESA Resources on Environment: Matrices Relating Environment Issues to Referenced Documents

Four matrices are included in this section.

Matrix 3.1. All Compact Projects in Burkina: identifies the resources and documents that have covered specific issues and answered questions related to environmental assessment for all MCC/MCA Burkina Faso Compact projects in general (such as general guidance documents on environment).

Matrix 3.2. Agricultural Development (AD) Project: identifies the resources and documents that have covered specific issues and answered questions related to environment for all the components of the Agricultural Development Project and those that only discuss specific components of the AD Project (i.e., water resource development, diversified agriculture, and financial services).

Matrix 3.3. Rural Land Governance (RLG) Project: identified the resources and documents that have covered specific issues and answered questions related to environment for all the components of the Rural Land Governance Project and those that only discuss specific components of the RLG Project (i.e., Activity 1, Activity 2, and Activity 3).

Matrix 3.4. Roads Project: identifies the resources and documents that have covered specific issues and answered questions related to environment in connection with the Roads Project, as well as specific road segments being built or rehabilitated by that project.

3.1. Matrix Relating Environment Issues to Referenced Documents for All MCC/MCA Compact Projects in Burkina Faso

Key Issues and Questions on Environment	Documents/ Resources that Apply/Address All Compact Projects	Pages
MCC Guidance on Environment		
MCA Burkina Faso—Guidance and Resources on Environment		
MCA Description of the Environmental and Social Assessment Unit		
MCA Burkina Faso—Environmental Guidance/Framework		
Relevant National Policy Documents—Actual Documents		
Relevant National Policy Documents—Document Review Summaries		
Proposal Development and Program Design		
ESA Questions on Environment		
Due Diligence and Program Refinement		
Compact Implementation		

3.2. Matrix Relating Environment Issues to Referenced Documents for the AD Project as a Whole and to Each of the AD Project Components

Key Issues and Questions on Environment	Entire AD Project		Water Mg. & Irrigation Component		Rural Roads Component (see Roads Project)		Diversified Ag Component		Rural Finance Services Component	
	Ref #	Pages	Ref #	Pages	Ref #	Pages	Ref #	Pages	Ref #	Pages
National Policy Context (Environment)										
Sector Specific Policies (Environment)										
Precedents/Previous Work (for environmental policy)										
Consultation (with local population and authorities)										
ESA Issues										
Initial ESA review methods: Irrigated Agriculture										
---Sourou										
---Comoe										
---Kouri (considered later)			11							
Recommendations for strengthening ESA reviews										
ESA environmental Due Diligence questions on project (draft and final)										
History of Environmental ESA missions on the project										
Indicators being used to track environmental impacts										
Critical Issues to Consider in ESMP										
Endangered and protected species										
Protected forests/"Illegal" occupation of protected forests/Forestry Issues										
Spontaneous immigration										
Protected										
Livestock paths and corridors										
Pastoralists and Agro-pastoralists										
Local Organizational Capacity										
Sanitation										
Run-off										
Pesticides, fertilizers, water quality and water pollution										
Costs—ESMP										
Costs—Resettlement										
Gender Issues										
Issues to Consider in SOW for Contractors										
Base camps										
Spontaneous immigration										

Key Issues and Questions on Environment	Entire AD Project		Water Mg. & Irrigation Component		Rural Roads Component (see Roads Project)		Diversified Ag Component		Rural Finance Services Component	
	<i>Ref #</i>	<i>Pages</i>	<i>Ref #</i>	<i>Pages</i>	<i>Ref #</i>	<i>Pages</i>	<i>Ref #</i>	<i>Pages</i>	<i>Ref #</i>	<i>Pages</i>
Worker resettlement										
Worker housing and infrastructure										
Worker and settler health and sanitation										
Worker catering										

3.3. Matrix Relating Environment Issues to Referenced Documents for the RLG Project as a Whole and to Each of the RLG Project Components

Key Issues and Questions on Environment	Entire RLG Project		Activity 1: Legislation		Activity 2: Commune Buildings		Activity 3: Site Specific Interventions	
	Ref #	Pages	Ref #	Pages	Ref #	Pages	Ref #	Pages
National Policy Context (Environment)								
Sector Specific Policies (Environment)								
Precedents/Previous Work (for environmental policy)								
Consultation (local people and authorities)								
ESA Issues								
Initial ESA review methods								
Recommendations for strengthening ESA reviews								
ESA environmental Due Diligence questions on project (draft and final)								
History of Environmental ESA missions on the project								
Indicators being used to track environmental impacts								
Critical Issues to Consider in ESMP								
Endangered and protected species								
Protected forests/"Illegal" occupation of protected forests/Forestry Issues								
Spontaneous immigration								
Livestock paths and corridors								
Pastoralists and Agro-pastoralists								
Local Organizational Capacity								
Sanitation								
Run-off								
Costs—ESMP								
Costs—Resettlement								
Gender Issues								
Issues to Consider in SOW for Contractors								
Base camps								
Spontaneous immigration								
Worker resettlement								
Worker housing and infrastructure								
Worker and settler health and sanitation								
Worker catering								

3.4. Matrix Relating Environment Issues to Referenced Documents for the Roads Project as a Whole and to Each of the Specific Road Segments

Key Issues and Questions on Environment	Entire Roads Project		Specific Road Segments							
	Ref #	Pages	Dédougou-Nouna-Front. Mali		Banfora-Sindou		Rural Roads		Sabou-Koudougou-Dydir-Tougan	
			Ref #	Pages	Ref #	Pages	Ref #	Pages	Ref #	Pages
National Policy Context (Environment)										
Sector Specific Policies (Environment)										
Precedents/Previous Work (for environmental policy)										
Consultation (with local population and authorities)										
ESA Issues										
Initial ESA review										
Recommendations for strengthening ESA reviews										
ESA environmental Due Diligence questions on project (draft and final)										
Critical Issues to Consider in ESMP										
Endangered and protected species										
Protected forests/"Illegal" occupation of protected forests/Forestry Issues										
Spontaneous immigration										
Livestock paths and corridors										
Pastoralists and Agro-pastoralists										
Local Organizational Capacity										
Sanitation										
Run-off										
Costs—ESMP										
Costs—Resettlement										
Gender Issues										
Issues to Consider in SOW for Contractors										
Base camps										
Spontaneous immigration										
Worker resettlement										
Worker housing and infrastructure										
Worker and settler health and sanitation										
Worker catering										

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