

# Logistics Capacity Assessment



# LIBERIA



**Country**

Name	Liberia
Official Name	Republic of Liberia



**Assessment**

Assessment Dates:	From	7 <sup>th</sup> November 2009	To	3 <sup>rd</sup> December 2009
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## Table of Contents

1.	Table of Contents .....	2
2.	Country Profile .....	3
2.1.	Introduction & Background .....	3
2.2.	Humanitarian Background .....	6
2.3.	Contact List – NGO's .....	11
2.4.	National Regulatory Departments .....	14
2.5.	Customs Information .....	15
3.	Logistics Infrastructure .....	20
3.1.	Port Assessment .....	20
3.2.	Airport Assessment .....	34
3.3.	Road Assessment .....	49
3.4.	Railway Assessment .....	64
3.5.	Waterways Assessment .....	66
3.6.	Storage Assessment .....	67
3.7.	Milling Assessment .....	68
4.	Logistics Related Services .....	70
4.1.	Fuel .....	70
4.2.	Transporters .....	72
4.3.	Vehicle Rental .....	74
4.4.	Taxi Companies .....	74
4.5.	Shipping Companies .....	75
4.6.	Freight Forwarding Agents .....	76
4.7.	Electricity & Power .....	77
4.8.	Manual Labour Costs .....	79
4.9.	Telecommunications .....	80
4.10.	Local Supplies Market .....	82
4.11.	UN Hospital Information .....	84
4.12.	International Courier Services .....	85
4.13.	Airlines to/from Liberia .....	85
4.14.	Accommodation .....	85
5.	Scenarios & Contingencies .....	87
6.	Annexes .....	88
6.1.	Annex 1: Relevant Websites applicable to this LCA .....	88
6.2.	Annex 2: Maps .....	88
6.3.	Annex 3: Miscellaneous .....	88

## 2. Country Profile

- Liberia, which means 'land of the free' was founded by freed slaves from the United States in 1820.
- These freed slaves, called Americo-Liberians, first arrived in Liberia and established a settlement in Christopolis now Monrovia (named after U.S. President James Monroe) on February 6, 1820.
- This group of 86 immigrants formed the nucleus of the settler population of what became known as the Republic of Liberia.
- In December 1989, Charles Taylor launched a rebellion against Doe's regime that led to a prolonged civil war in which Doe himself was killed.
- A period of relative peace in 1997 allowed for elections that brought Taylor to power, but fighting resumed in 2000.
- An August 2003, peace agreement ended the war and prompted the resignation of former president Charles Taylor, who was exiled to Nigeria.
- After two years of rule by a transitional government, democratic elections in late 2005 brought President Ellen Johnson Sirleaf to power.
- Liberia was traditionally noted for its hospitality and academic institutions, iron mining and rubber industry booms, and cultural skills and arts and craft works.
- But political upheavals beginning in the 1980s and the brutal 14-year civil war (1989-2003) brought about a steep decline in the living standards of the country, including its education and infrastructure.
- The UN Mission in Liberia (UNMIL), which maintains a strong presence throughout the country, completed a disarmament program for former combatants in late 2004, but the security situation is still volatile and the process of rebuilding the social and economic structure of this war-torn country remains sluggish.
- In January 2008 the Truth and Reconciliation Commission, established to investigate war crimes committed during the civil war, began proceedings. It was modelled on South Africa's post apartheid body.
- International attention turned to two important war crimes trials: the first was that of former president Gen. Charles Taylor in The Hague, and the second was that of his son Charles (Chuckie) Taylor, Jr., in the United States, which resulted in a conviction in October 2009 on charges of torture and related war crimes; sentencing was set for January 2009.

### 2.1. Introduction & Background

#### 2.1.1. Basic Facts

Basic Facts		
Capital	Monrovia	
Language	English is the main language for communication particularly in the main cities. Other languages spoken are Bassa, Lorma, Kpelle, Vai, Gio, Mano, Krahn, Grebo, Kissi, Kru, Mende, and Mandingo	<a href="#">CIA fact sheet</a>
Ethnic groups	Indigenous African 95% (including Kpelle, Bassa, Gio, Kru, Grebo, Mano, Krahn, Gola, Gbandi, Loma, Kissi, Vai, Dei, Bella, Mandingo, and Mende), Americo-Liberians 2.5% (descendants of immigrants from the US who had been slaves), Congo People 2.5% (descendants of immigrants from the Caribbean who had been slaves)	<a href="#">CIA fact sheet</a>
Religions	Indigenous beliefs 40% Christian 40% Muslim 20%	<a href="#">CIA fact sheet</a>
Country size (comparison)	Total: 111,369 km <sup>2</sup> Land: 96,320 km <sup>2</sup> Water: 15,049 km <sup>2</sup>	<a href="#">CIA fact sheet</a> country comparison to the world: 103
Population density (map)	3,476,608	<a href="#">CIA fact sheet</a> country comparison to the world: 132 <a href="#">National Census 2008 publication may 2009 PDF file</a>
Border countries	Western Africa, bordering the North Atlantic Ocean, border (clockwise Sierra Leone, Guinea and Cote d'Ivoire	<a href="#">CIA fact sheet</a>
Exports	\$1.197 billion, rubber, timber, iron, diamonds, cocoa, coffee.	<a href="#">CIA fact sheet</a> Data 2006 country comparison to the world:

	Country partners Malaysia 38.2%, US 15.9%, Poland 12.3%, Germany 9%, Belgium 6% (2008)	147
Imports	\$7.143 billion, fuels, chemicals, machinery, transportation equipment, manufactured goods; foodstuffs Imports partner South Korea 27.5%, Singapore 25.2%, Japan 11.6%, China 11.2% (2008)	<a href="#">CIA fact sheet</a> country comparison to the world: 103
Agricultural Products	Rubber, coffee, cocoa, rice, cassava (tapioca), palm oil, sugarcane, bananas; sheep, goats; timber	<a href="#">CIA fact sheet</a>

### 2.1.2. Country in Figures

General Information		
Country size	Total: 111,369 km <sup>2</sup>	<a href="#">CIA fact sheet</a> country comparison to the world: 103
Population	3,441,790	<a href="#">CIA fact sheet</a> country comparison to the world: 132
Population growth rate	2.665%	<a href="#">CIA fact sheet</a> (2009 est.) country comparison to the world: 27
GDP per capita	\$500 (2008 est.) \$400 (2007 est.) \$400 (2006 est.)	<a href="#">CIA fact sheet</a> country comparison to the world: 226 note: data are in 2008 US dollars
Population under poverty line (%)	80%	<a href="#">CIA fact sheet</a> (2000 est.)
HIV prevalence (%)	1.7%	<a href="#">CIA fact sheet</a> (2007 est.) country comparison to the world: 35 <b>LIBERIA: HIV rates lower than feared</b>
Useful Information		
Time zone (GMT +/-)	+/- 0	<a href="#">Current local time in Monrovia</a>
Climate description	Tropical; hot, humid; dry winters with hot days and cool to cold nights; wet, cloudy summers with frequent heavy showers	<a href="#">CIA fact sheet</a>
Currency	Liberian Dollar (also called Liberty Dollar) United States Dollar circulated along the official currency	<a href="#">CIA fact sheet</a>
Telephone dialling code	+231	
Driving (left / right)	Right	
Visa requirements and cost	Depending on applicant's nationality and issuing embassy / consulate. See Annexes for embassy and consulate contact.	<a href="#">CIA fact sheet</a>

### 2.1.3. Average Weather Conditions, Monrovia, Liberia

Month	Average Sunlight Hours	Temperature °C				Discomfort from Heat & Humidity	Relative Humidity		Ave Precipitation (mm)	Wet Days (+0.25 mm)
		Average		Record			am	pm		
		Min	Max	Min	Max					
Jan	6	23	30	13	32	High	95	78	31	5
Feb	6	23	29	20	33	High	94	76	56	5
March	7	23	31	19	32	High	92	77	97	10
April	6	23	31	16	33	Extreme	91	80	216	17
May	5	22	30	16	34	High	89	79	516	21
June	4	23	27	18	31	Medium	89	82	973	26
July	3	22	27	16	29	Medium	88	83	996	24
Aug	3	23	27	18	30	Medium	87	84	373	20
Sept	4	22	27	18	29	Medium	92	86	744	26
Oct	4	22	28	19	30	High	92	84	772	22
Nov	6	23	29	16	32	High	91	80	236	19
Dec	5	23	30	14	32	High	93	79	130	12
<b>Ave</b>	4.9	22.6	28.8	16.9	31.4	N/A	90	80	5,140	207

Source: BBC Weather

**2.1.4. Exchange Rate, Inflation of the Local currency**

<b>Money Parity and Inflation</b>		
<b>Year</b>	<b>Exchange Rate – US\$ = LRD</b>	<b>Rate of Inflation</b>
2009 (up to mid November)	Min 63, Max 72	<a href="#">Central Bank of Liberia exchange rate history</a>
2008	Min 62, Max 63	<a href="#">Central Bank of Liberia exchange rate history</a>
2007	Min 60, Max 63	<a href="#">Central Bank of Liberia exchange rate history</a>
2006	Min 52, Max 60	<a href="#">Central Bank of Liberia exchange rate history</a>
2005	Min 53, Max 60	<a href="#">Central Bank of Liberia exchange rate history</a>

## 2.2. Humanitarian Background

### 2.2.1. Disasters, Conflicts & Migration History

Disasters, Conflicts & Migration		
Natural Disasters		Comments
Drought	Yes	1983
Earthquake	No	
Epidemic	Yes	1980, 1995, 1996, 1998, 1999, 2000 (x2), 2002, 2003 (x2), 2005
Extreme temperature	Yes	1990
Flood	Yes	1998, 2007, 2008, 2009
Insect infestation	Yes	Jan 2009
Landslides	Yes	1982
Volcano	No	
Wave/Surge	No	
Wildfires	No	
Windstorm	Yes	1995, 2007
Other comments		
Man-made		
Civil strife	Yes	1989 – 2003 (starting in the beginning of 1980's)
International conflict	No	
Displaced in country	Yes	N/A
Refugees in country	Yes	N/A
Refugees from country	Yes	N/A
Landmines casualties / year	Yes	During civil war very few land mines (personnel and vehicle) were used. Greater risk of unexploded ordinance
Other comments	Transport Accident 2002 (type and casualties unknown)	
Source: * <a href="http://www.em-dat.net/disasters/countryprofiles.php">http://www.em-dat.net/disasters/countryprofiles.php</a>		

### 2.2.2. Calamities and Seasonal Affects

#### 2.2.2.1. Guinea and Ivory Coast scenarios

- Due to present political instability in Guinea and past instability in Ivory Coast, fuelling the prospect of heightened conflict and triggering population movements, Liberia is foreseen to be the most likely Ivorian Coast and Guinea bordering country to be affected by a mass flow population into eastern and northern of Liberia and displacements into each county as a result of tensions. Initial contingency plans have been developed through collaboration among UN agencies and other humanitarian actors.

Seasonal Affects on Transport		
Transport	Comments	From
Primary Road Transport	During Rain season, most of unpaved roads are less practical to not passable see section 3.3 Road Assessment below	April to November on an average
Secondary Road Transport	During Rain season, most of unpaved roads are less practical to not passable see section 3.3 Road Assessment below	April to November on an average
Rail Transport	N/A	April to November on an average
Air Transport	Need to add comment	April to November on an average
Waterways Transport	N/A	N/A

- During the rainy season, many of the roads are inaccessible and several of them are leading through areas with high population density. Nimba (North East), Lofa (North), Grand Kru (South East) and Maryland (South East) counties are the most affected counties.
- Timber roads had a profound role opening up isolated villages but this accessibility is fragile. The need for continuous maintenance is a major challenge to the new government. Roads built, particularly by the government,

are left in disrepair due to the absence of/ or inadequate routine maintenance, particularly the primary paved roads which constitute about 7.6% of the nation's road network.



Seasonal Affects on Storage and Handling		
Activity	Comments	From
Storage	Due to Reduced Road Access, prepositioning of stock may be a good option to reduce Logistics bottle-necks during the 8 months long rain season. Strong continuous rainfall may also cause a hazard to the commodities stored in the warehouses through penetrating water and humidity	April to November on an average
Handling	During the rainy season, heavy rains affect the vessel discharge and truck loading operation.	April to November on an average
Other	N/A	April to November on an average

**2.2.3. Capacities to Respond to Emergencies**

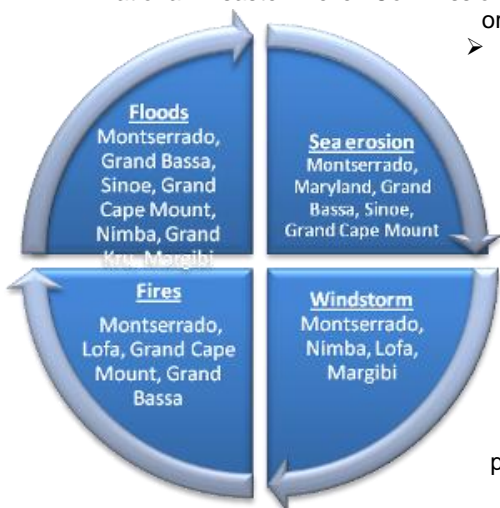
**2.2.3.1. Government**

- In 2008, the Government of Liberia presents its [Disaster response contingency plan for Liberia Validated October 2008](#), defining the planning param, the implementation modalities including the roles and responsibilities of the National Disaster Relief Commission, The Red Cross Movement, the United Nations, the Non-governmental organizations another Donor Agencies.

- It sets as well standard operating procedures for the first 72 hours and the coordination meetings. There is a section on Challenges, Constraints and Risks and speak of the Transition Period: From Emergency to Recovery

The disaster prone areas:

Records of disasters and areas prone to hazards in Liberia are very scanty. However, recent incidents of small scale disasters have been recorded by physical observations as indicated in the below graph. The graph shows that floods is the most common hazard which has been recorded in seven (7) of fifteen (15) counties; followed by sea erosion which is also recorded in five (5) counties; and fires and windstorm in four counties respectively. Though, Liberia does not have the technological equipment to map out and measure its hazards and level of vulnerability, the records reinforce the need for a preparedness plan that will reduce the impacts of disasters when they occur.



**2.2.3.2. Coordination Role**

<b>Disaster Coordination</b>			
<b>Sector</b>	<b>Coordinator</b>	<b>Supporting Government Ministries or Agencies</b>	<b>Lead Supporting Agencies &amp; Donors</b>
Bridges and Infrastructure	Ministry of Public Works	MIA, MLME	UNDP, World Bank
Education	Ministry of Education	MICAT, MYS	UNICEF, UNESCO
Environment	Environment Protection Agency	MLME	UNMIL, UNDP
Food & Nutrition	Ministry of Health & Social Welfare	Ministry of Agriculture	UNICEF, WFP
Food Security	Ministry of Agriculture	Ministry of Agriculture	FAO, WFP
Health	Ministry of Health & Social Welfare	MLME, MOA, MPEA	WHO
Information	Ministry of Information, Culture and Tourism	PUL	UNDP
Non-food personal items	Ministry of Internal Affairs	Liberia Refugee & Resettlement Commission	UNHCR, IOM, Liberia Red Cross
Protection	Liberia Refugee & Resettlement Commission	Ministry of Gender & Development	UNHCR, Save the Children
Safety & Security	Ministry of Justice	Ministry of Defence	UNDP, USAID
Shelter	Liberia Refugee & Resettlement Commission	Ministry of Public Works, MLME	UNHCR, Liberia Red Cross
Transportation	Ministry of Transport	GSA	WFP, UNMIL
Water, Sanitation & Hygiene	Ministry of Public Works	LWSC, Ministry of Health & Social Welfare	UNICEF

Much information can be found from the Government of Liberia web site [www.emansion.gov.lr](http://www.emansion.gov.lr)

**2.2.3.3. Ministries Contact Details**

<b>Ministry / Department / Address</b>	<b>Contact Names &amp; Email</b>	<b>Telephone &amp; Fax</b>
<b>Ministry of Finance</b> Broad Street, P.O. Box 10-9013 Monrovia, Liberia	Name: Title: Minister Email: Web: <a href="http://www.mof.gov.lr">www.mof.gov.lr</a>	Tel: +231 226 863 Fax: +231 226 715
<b>Ministry of Internal Affairs</b>	Name: Ambulai Johnson Title: Minister Email:	Tel: Fax:
<b>Ministry of Health &amp; Social Welfare</b> P.O. Box 10-9004 Sinkor, Monrovia	Name: Walter Gwenigale Title: Minister Email: <a href="mailto:moh@liberia.net">moh@liberia.net</a> Web: <a href="http://www.moh.gov.lr">www.moh.gov.lr</a>	Tel: +231 226 317 Fax: +231 226 317
<b>Liberia Refugee &amp; Resettlement Commission</b>	Name: Title: Minister Email:	Tel: Fax:
<b>Ministry of Transport</b>	Name: Jackson Doe Title: Minister Email:	Tel: Fax:
<b>Ministry of Public Works</b>	Name: Lusen Donzo Title: Minister Web: <a href="http://www.mpw.gov.lr/">www.mpw.gov.lr/</a>	Tel: Fax:
<b>Ministry of Justice</b> Ashum Street, P. O. Box 10-9006, Monrovia, Liberia	Name: Title: Minister Email:	Tel: +231 227 872 Tel: +231 226 482 Fax:
<b>Ministry of Agriculture</b> Tubman Blvd, P. O. Box 10-9010 Monrovia, Liberia	Name: J Toe Title: Minister Email: Web: <a href="http://www.moa.gov.lr/">www.moa.gov.lr/</a>	Tel: +231 226 399 Fax: +231 226 291
<b>Ministry of Information, Culture and Tourism</b> Capital Hill, P.O. Box 10-9021 Monrovia, 10 1000, Liberia	Name: Lawrence Bropleh Title: Minister Email: <a href="mailto:micat@liberia.net">micat@liberia.net</a> Web: <a href="http://micat.gov.lr/">http://micat.gov.lr/</a>	Tel: +231 226 078 Fax: +231 226 269



<b>Ministry of Education</b> Broad Street, P.O. Box 10-1545 Monrovia, Liberia	Name: Joseph Korto Title: Minister Email: Web: <a href="http://www.moe.gov.lr">www.moe.gov.lr</a>	Tel: +231 226 216 Tel: +231 226 404 Fax:
<b>Ministry of Foreign Affairs</b> Mamba Point, P.O. Box 10-9002 Monrovia, 1000, Liberia	Name: Olubanke King-Akerele Title: Minister Email: Web: <a href="http://www.mofa.gov.lr">www.mofa.gov.lr</a>	Tel: +231 226 763 Tel: +231 226 076 Fax:
<b>Ministry of Planning and Economic Affairs</b>	Name: Toga McIntosh Title: Minister Email: Web: <a href="http://mopea.gov.lr/">http://mopea.gov.lr/</a>	Tel: Fax:
<b>Ministry of Lands, Mines and Energy</b>	Name: Title: Minister Email: Web: <a href="http://molme.gov.lr/">http://molme.gov.lr/</a>	Tel: Fax:
<b>Ministry of Youth and Sport</b> Sinkor Monrovia, P.O. Box 10-9040 Monrovia, Liberia	Name: Etmonia Tarpeh Title: Email: Web: <a href="http://moys.gov.lr/">http://moys.gov.lr/</a>	Tel: +231 226 284 Fax:
<b>Ministry of Labour</b>	Name: Samuel Woods Title: Minister Email:	Tel: Fax:
<b>Ministry of Posts &amp; Telecommunication</b>	Name: Jeremiah Sulunteh Title: Minister Email:	Tel: Fax:
<b>Ministry of Gender Development</b>	Name: Varbah Gayflor Title: Minister Email: Web: <a href="http://www.mogd.gov.lr">www.mogd.gov.lr</a>	Tel: Fax:

### 2.2.3.4. Humanitarian Community

The National Policy on NGO's in Liberia can be downloaded from the [www.emansion.gov.lr](http://www.emansion.gov.lr) or by [using this link](#)

Humanitarian Coordination			
Type	Name & Address	Contacts	Contacts
Resident Coordinator	Simpson Building, Sekou Toure Avenue, Mamba Point, P.O. Box 0274, Monrovia, Liberia	Moustahpa Soumare Resident Representative Email: <a href="mailto:moustahpa.soumare@undp.org">moustahpa.soumare@undp.org</a>	Tel: +231 226 195 Tel: +231 226 211 Fax: +231 226 210 Fax: +231 226 193
Coordination Mechanisms, Committees, Groups			
Organisation Name	Address	Contacts	Phone and Email
<b>Food and Agriculture Organisation (FAO)</b>	UN Drive, Mamba Point, Monrovia, Liberia	Winfred Hammond Representative	+231 6 530 575 <a href="mailto:hammondw.fao@undp.org">hammondw.fao@undp.org</a>
<b>United Nations Development Programme</b>	Sekou Toure Avenue, Mamba Point Monrovia, Liberia	Dominic Sam Country Director	+231 6 995 555 <a href="mailto:dominic.sam@undp.org">dominic.sam@undp.org</a>
<b>United Nations Population Fund (UNFPA)</b>	UN Drive, Mamba Point, Monrovia, Liberia	Rose Gakuba Representative	+231 6 435 159 <a href="mailto:gakuba@unfpa.org">gakuba@unfpa.org</a>
<b>UN HABITAT</b>	Sekou Toure Avenue, Mamba Point Monrovia, Liberia	Fole Sherman Programme Manager	<a href="mailto:fole.sherman@undp.org">fole.sherman@undp.org</a>
<b>United Nations Development Fund for Women (UNIFEM)</b>	Sekou Toure Avenue, Mamba Point Monrovia, Liberia	Cardinal Uwishaka Officer-in-Charge	+231 6 559 438 <a href="mailto:uwicard@gmail.com">uwicard@gmail.com</a>
<b>Office of the High Commissioner for Human Rights (OHCHR)</b>	Human Rights & Protection Section, Pan African Plaza, Monrovia, Liberia	Eugene Nindorera Chief	+231 6 827 360 <a href="mailto:nindorerae@un.org">nindorerae@un.org</a>
<b>United Nations High Commissioner for Refugees (UNHCR)</b>	UN Drive, Mamba Point, Monrovia, Liberia	Renata Dubini Representative	+231 6 870 780 <a href="mailto:dubini@unhcr.org">dubini@unhcr.org</a>
<b>United Nations Children's Fund (UNICEF)</b>	Sekou Toure Avenue, Mamba Point Monrovia, Liberia	Rozanne Chorlton Representative	+231 6 639 809 <a href="mailto:rchorlton@unicef.org">rchorlton@unicef.org</a>
<b>World Food Programme (WFP)</b>	Sekou Toure Avenue, Mamba Point Monrovia, Liberia	Louis Imbleau Representative	+231 5 514 367 <a href="mailto:louis.imbleau@wfp.org">louis.imbleau@wfp.org</a>
<b>World Health Organisation (WHO)</b>	Sekou Toure Avenue, Mamba Point Monrovia, Liberia	Nestor Ndayimirje Country Representative	+231 6 530 047 <a href="mailto:ndayimirijen@lr.afro.who.int">ndayimirijen@lr.afro.who.int</a>
<b>United Nations Programme on HIV and Aids (UNAIDS)</b>	Sekou Toure Avenue, Mamba Point Monrovia, Liberia	Kwaku Armah Country Coordinator	+231 6 898 760 <a href="mailto:kwaku.armah@undp.org">kwaku.armah@undp.org</a>
<b>Office of the UN Resident Coordinator</b>	Bryant Building, Mamba Point, Monrovia, Liberia	Malin Herwig Special Assistant to the Resident Coordinator	+231 6 843 863 <a href="mailto:malin.herwig@undp.org">malin.herwig@undp.org</a>
<b>The World Bank</b>	World Bank Country Office, 2 <sup>nd</sup> Floor Bright Building, Mamba Point, Monrovia	Ohene Owusu Nyanin Country Manager	+231 6 994 000 <a href="mailto:onyanin@worldbank.org">onyanin@worldbank.org</a>

## 2.3. Contact List – NGO's

Organisation Name	Name, Position & Address	Contacts
<b>ACDI / VOCA</b> Agricultural Cooperative Development International / Volunteers in Overseas Cooperative Assistance	Robin Wheeler – Chief of Party Corner of Sékou Touré Avenue & Old CID Road, Mamba Point, Monrovia, Liberia	Tel: +231 77 906 516 Email: <a href="mailto:rwheeler@acdivoca-lib.org">rwheeler@acdivoca-lib.org</a> Web: <a href="http://www.acdivoca.org/">www.acdivoca.org/</a>
<b>AAI – Action Aid International</b>	Ernest Gaie – Country Director Adjacent Winners Chapel, Tubman Boulevard, Congo Town, Monrovia, Liberia	Tel: +231 6 531 165 Email: <a href="mailto:ernest.gaie@actionaid.org">ernest.gaie@actionaid.org</a> Web: <a href="http://www.actionaid.org/">www.actionaid.org/</a>
<b>ACF – Action Contre la Faim</b>	Massimo Stella – Head of Mission Old CID Road, Mamba Point, Monrovia, Liberia	Tel: +231 6 847 284 Email: <a href="mailto:headofmission@lr.missions-acf.org">headofmission@lr.missions-acf.org</a> Web: <a href="http://www.actioncontrelafaim.org/">www.actioncontrelafaim.org/</a>
<b>ADRA – Adventist Development &amp; Relief Agency</b>	Jallah S. Karbah – Country Director Smythe Road, Old Road, Sinkor, Monrovia, Liberia	Tel: +231 6 530 736 Email: <a href="mailto:j.karbah@adraliberia.org">j.karbah@adraliberia.org</a> Web: <a href="http://www.adra.euroafrica.org/">www.adra.euroafrica.org/</a>
<b>AHA – Africa Humanitarian Action</b>	Dr. Kedir Wajiso – Country Director Front Street, Snapper Hill, Monrovia, Liberia	Tel: +231 6 904 939 Email: <a href="mailto:liberia@africahumanitarian.org">liberia@africahumanitarian.org</a> <a href="http://www.africahumanitarianaction.org/">www.africahumanitarianaction.org/</a>
<b>Africare</b>	Chris Seubert – Country Rep 98 Sékou Touré Avenue, Mamba Point, Monrovia, Liberia	Tel: +231 77 297 658 Email: <a href="mailto:cseubert@africare.org">cseubert@africare.org</a> Web: <a href="http://www.africare.org/">www.africare.org/</a>
<b>ABA – American Bar Association</b>	Anthony Valcke – Country Director Louis Arthur Grimes School of Law, Top Floor, University of Liberia, Monrovia, Liberia	Tel: +231 6 855 625 Email: <a href="mailto:valcke@staff.abanet.org">valcke@staff.abanet.org</a> Web: <a href="http://www.abanet.org/rol/africa/liberia.html">www.abanet.org/rol/africa/liberia.html</a>
<b>ARC – American Refugee Committee</b>	Tom Ewert – Country Director Atlantic House, Tubman Boulevard, Congo Town, Monrovia, Liberia	Tel: +231 6 520 278 Email: <a href="mailto:tewert@arc-liberia.org">tewert@arc-liberia.org</a> Web: <a href="http://www.arcrelief.org/">www.arcrelief.org/</a>
<b>CARE USA</b>	Ahmed Ag Aboubacrine – Cty Director Opposite German Embassy, Congo Town, Monrovia, Liberia	Tel: +231 6 797 959 Email: <a href="mailto:ahmed.ag.aboubacrine@co.care.org">ahmed.ag.aboubacrine@co.care.org</a> Web: <a href="http://www.care.org/">www.care.org/</a>
<b>TCC – The Carter Center</b>	John Hummel – Project Manager UN Drive, Next to Mamba Point Hotel, Monrovia, Liberia	Tel: +231 6 452 022 Email: <a href="mailto:john.hummel@cartercenterliberia.org">john.hummel@cartercenterliberia.org</a> <a href="http://www.cartercenter.org/countries/liberia.html">www.cartercenter.org/countries/liberia.html</a>
<b>CRS – Catholic Relief Services</b>	Sean Gallagher - Country Rep 19 <sup>th</sup> Street, Sinkor, Monrovia, Liberia	Tel: +231 6 608 152 Email: <a href="mailto:sgallagher@lr.waro.crs.org">sgallagher@lr.waro.crs.org</a> Web: <a href="http://crs.org/">http://crs.org/</a>
<b>CVT – Center for Victims of Torture</b>	Simone van der Kaaden, Country Director, CVT - Sierra Leone Liberia program temporarily closed. Contact Liberian NGO LAPS at <a href="mailto:lapsprogram@gmail.com">lapsprogram@gmail.com</a>	Tel: +232 76 747 456 Tel: +232 77 844 458 Email: <a href="mailto:cvtliberia@gmail.com">cvtliberia@gmail.com</a> Email: <a href="mailto:cvtSierraleone@gmail.com">cvtSierraleone@gmail.com</a> Web: <a href="http://www.cvt.org/">www.cvt.org/</a>
<b>CAM – Christian Aid Ministries</b>	Seth Martin – Country Director Towerhill, Robertsfeld Highway, Monrovia, Liberia	Tel: +231 6 528 592 Email: <a href="mailto:sm1a@camlib.org">sm1a@camlib.org</a> Email: <a href="mailto:cam@camlib.org">cam@camlib.org</a>
<b>CCF – Child Fund International</b>	Falie Baldeh – Country Director 18 <sup>th</sup> Street & Warner Ave Sinkor, Monrovia, Liberia	Tel: +231 6 956 562 Email: <a href="mailto:ccf.liberia@gmail.com">ccf.liberia@gmail.com</a> Web: <a href="http://www.childfund.org/">www.childfund.org/</a>
<b>CBM – Christoffel Blinden Mission</b>	Mary Zigbou – Country Coordinator SDA Cooper Hospital Eye Center, 12 <sup>th</sup> Street, Sinkor, Monrovia, Liberia	Tel: +231 6 527 919 Email: <a href="mailto:umcliberia@yahoo.com">umcliberia@yahoo.com</a> Web: <a href="http://www.cbm.org/">www.cbm.org/</a>
<b>CHF – Cooperative Housing Foundation</b>	Brian King – Country Director Allison Street, Devine Town Congo Town, Monrovia, Liberia	Tel: +231 6 219 543 Email: <a href="mailto:bking@chf-liberia.org">bking@chf-liberia.org</a> Web: <a href="http://www.chfinternational.org/">www.chfinternational.org/</a>
<b>CW – Concern Worldwide</b>	Mark Kane – Country Director V.P. Road, Sinkor, Monrovia, Liberia	Tel: +231 6 642 557 Email: <a href="mailto:mark.kane@concern.net">mark.kane@concern.net</a> Web: <a href="http://www.concern.net/">www.concern.net/</a>
<b>CI – Conservation International</b>	Alex Peal – Country Director Smythe Road, Sinkor, Monrovia, Liberia	Tel: +231 6 511 138 Email: <a href="mailto:a.peal@conservation.org">a.peal@conservation.org</a> Web: <a href="http://www.conservation.org/">www.conservation.org/</a>
<b>DRC - Danish Refugee Council</b>	Anne Sophie Laenholm - Regional Representative UN Drive, Coconut Stretch, Mamba Point, Monrovia, Liberia	Tel: +231 6 600 699 Email: <a href="mailto:anne.laenholm@drc.dk">anne.laenholm@drc.dk</a> Web: <a href="http://www.drc.dk/">www.drc.dk/</a>

<b>DKH</b> - Diakonie Katastrophenhilfe	Verena Jenner – Country Director Tubman Boulevard, Congo Town, Monrovia, Liberia	Tel: +231 6 896 391 Web: <a href="http://www.diakonie-katastrophenhilfe.de/english/">www.diakonie-katastrophenhilfe.de/english/</a> Email: <a href="mailto:diakonieliberia@yahoo.com">diakonieliberia@yahoo.com</a>
<b>EQUIP Liberia</b>	David Waines – Country Director 14 <sup>th</sup> Street, Coleman Avenue, Sinkor, Monrovia, Liberia	Tel: +231 6 518 846 Email: <a href="mailto:davewaines@yahoo.ca">davewaines@yahoo.ca</a> Web: <a href="http://www.equipliberia.org/">www.equipliberia.org/</a>
<b>FFI</b> – Flora & Fauna International	Letla Mosenene – Liberia Manager 2 <sup>nd</sup> Floor, Kappa House, Elise Saliby Compound, Congo Town, Monrovia, Liberia	Tel: +231 6 484 198 Web: <a href="http://www.fauna-flora.org/">www.fauna-flora.org/</a> Email: <a href="mailto:lmosenene@yahoo.com">lmosenene@yahoo.com</a>
<b>FCA</b> – Finn Church Aid	Kofi Ayisa – Country Representative Old Kiss FM Radio Station, Congo Town, Monrovia, Liberia	Tel: +231 6 879 250 Web: <a href="http://www.kua.fi/en/">www.kua.fi/en/</a> Email: <a href="mailto:kofi.ayisa@kua.fi">kofi.ayisa@kua.fi</a>
<b>FRC</b> - Finnish Refugee Council	Markku Vesikko – Country Rep Dennis Compound, Nelson Street Mamba Point, Monrovia, Liberia	Tel: +231 77 547 146 Tel: +231 77 510 096 Email: <a href="mailto:frcliberia@gmail.com">frcliberia@gmail.com</a> Email: <a href="mailto:markku.vesikko@finnref.org">markku.vesikko@finnref.org</a> Web: <a href="http://www.pakolaisapu.fi/en/">www.pakolaisapu.fi/en/</a>
<b>HI</b> - Handicap International	Aaron Marvolo – Site Coordinator Payne Avenue, 12 <sup>th</sup> Street, Sinkor, Monrovia, Liberia	Tel: +231 6 600 155 Email: <a href="mailto:hiliberiasc@gmail.com">hiliberiasc@gmail.com</a> Web: <a href="http://www.handicap-international.org/">www.handicap-international.org/</a>
<b>IBIS</b>	Rosalind Hanson-Alp – Cty Director V.P. Road, Congo Town, Monrovia, Liberia	Tel: +231 6 737 353 Email: <a href="mailto:rosalind@ibiswestafrica.com">rosalind@ibiswestafrica.com</a> Web: <a href="http://www.ibiswestafrica.com/nv/liberia/">www.ibiswestafrica.com/nv/liberia/</a>
<b>IA</b> - International Alert	Sidy Dieye – Head of Office Next to Sinkor, Monrovia Airfield, (turn off by Alo Petrol Station on Tubman Boulevard), Liberia	Tel: +231 6 421 574 Email: <a href="mailto:sdieye@international-alert.org">sdieye@international-alert.org</a> Web: <a href="http://www.international-alert.org/">www.international-alert.org/</a>
<b>ICRC</b> – International Committee of the Red Cross	Ishfaq Khan – Deputy Head of Delegation Bushrod Island, Liberia	Tel: +231 77 556 599 Email: <a href="mailto:monrovia.mon@icrc.org">monrovia.mon@icrc.org</a> Web: <a href="http://www.icrc.org/">www.icrc.org/</a>
<b>IMC</b> – International Medical Corps	Dr Shams-Ul-Alam – Country Director Adjacent SOS Clinic, Tubman Boulevard, Sinkor, Monrovia, Liberia	Tel: +231 6 841 673 Email: <a href="mailto:salam@imcworldwide.org">salam@imcworldwide.org</a> Web: <a href="http://www.imcworldwide.org/">www.imcworldwide.org/</a>
<b>IRC</b> – International Rescue Committee	Sylvie Louchez – Country Director Tubman Boulevard, Congo Town, Monrovia, Liberia	Tel: +231 7 955 952 Email: <a href="mailto:sylvie.louchez@theirc.org">sylvie.louchez@theirc.org</a> Web: <a href="http://www.theirc.org/">www.theirc.org/</a>
<b>IYF</b> – International Youth Fellowship	Mr. Woon Suk Soon – Exec Director Central Matadi, Sinkor, Monrovia, Liberia	Tel: +231 6 445 360 Email: <a href="mailto:sonws122@hotmail.com">sonws122@hotmail.com</a> Web: <a href="http://www.iyf.or.kr/en/">www.iyf.or.kr/en/</a>
<b>RBHS-JSI</b> Rebuilding Basic Health Services, John Snow Inc.	Richard Brennan – Chief of Party LACE Building, Horton Avenue, Monrovia, Liberia	Web: <a href="http://www.jsi.com/">www.jsi.com/</a> Email: <a href="mailto:rjbrennan59@gmail.com">rjbrennan59@gmail.com</a> Tel: +231 6 364 137
<b>LMA</b> – Landmine Action	Christine Lang – Country Director near MSF Compound, Mamba Point, Monrovia, Liberia	Tel: +231 6 821 179 Email: <a href="mailto:clang@landmineaction.org">clang@landmineaction.org</a> Web: <a href="http://www.landmineaction.org/">www.landmineaction.org/</a>
<b>LWF</b> – Lutheran World Federation	George Mkanza - Country Rep LCL Compound, 12 <sup>th</sup> Street, Sinkor, Monrovia, Liberia	Tel: +231 6 362 254 Email: <a href="mailto:lwfrepliberia@gmail.com">lwfrepliberia@gmail.com</a> Web: <a href="http://www.lutheranworld.org/">www.lutheranworld.org/</a>
<b>MSG</b> – Management Steering Group Hosted by Welthungerhilfe. The Management Steering Group is a network of international NGO's in Liberia.	Anca D. King – Liaison Officer 18 <sup>th</sup> Street, Sinkor, Monrovia, Liberia	Tel: +231 6 ??? Email: <a href="mailto:msgliaison@gmail.com">msgliaison@gmail.com</a> Web:
<b>Medica Mondiale</b>	Angeles Martinez – Head of Mission Swiss Building, Old Road, Congo Town, Monrovia, Liberia	Tel: +231 6 243 939 Email: <a href="mailto:angelesmartinez17@gmail.com">angelesmartinez17@gmail.com</a> Web: <a href="http://www.medicamondiale.org/">www.medicamondiale.org/</a>
<b>MTI</b> – Medical Teams International	Bill N. Massaquoi – Country Director Airfield Shortcut, Sinkor, Monrovia, Liberia	Tel: +231 6 532 075 Email: <a href="mailto:bmassaquoi@mti-liberia.org">bmassaquoi@mti-liberia.org</a> Web: <a href="http://www.medicalteams.org/">www.medicalteams.org/</a>
<b>MENTOR Initiative</b>	Michael Albert – Country Director Spring Water Road, Off Newport & Sékou Touré Avenue, Mamba Point, Monrovia, Liberia	Tel: +231 6 965 218 Email: <a href="mailto:michael@mentor-initiative.net">michael@mentor-initiative.net</a> Web: <a href="http://www.thementorinitiative.org/">www.thementorinitiative.org/</a>

<b>MC – Mercy Corps</b>	Barsee Cooper – Program Manager Payne Avenue, between 11 <sup>th</sup> & 12 <sup>th</sup> Streets, Sinkor, Monrovia, Liberia	Tel: +231 6 615 922 Email: <a href="mailto:bcooper@lr.mercycorps.org">bcooper@lr.mercycorps.org</a> Web: <a href="http://www.mercycorps.org/">www.mercycorps.org/</a>
<b>MERLIN - Medical Emergency Relief International</b>	Lawrence Oduma – Country Director Catholic Junction, Congo Town, Monrovia, Liberia	Tel: +231 6 532 416 Email: <a href="mailto:cm@merlin-liberia.org">cm@merlin-liberia.org</a> Web: <a href="http://www.merlin.org.uk/">www.merlin.org.uk/</a>
<b>MDM – Medecins du Monde</b>	Alice Vahanian – Head of Mission Nigeria Junction, Old Road, Congo Town, Monrovia, Liberia	Tel: +231 6 543 135 Email: <a href="mailto:mdmliberia_hom@yahoo.fr">mdmliberia_hom@yahoo.fr</a> Web: <a href="http://www.medecinsdumonde.org/">www.medecinsdumonde.org/</a>
<b>MSF-B – Medecins Sans Frontieres, Belgium</b>	Charles Menya – Head of Mission Tweh Farm, Bushrod Island, Monrovia, Liberia	Tel: +231 6 730 010 Email: <a href="mailto:msfb-monrovia-hom@brussels.msf.org">msfb-monrovia-hom@brussels.msf.org</a> Web: <a href="http://www.msf.org/">www.msf.org/</a>
<b>MSF-S – Medecins Sans Frontieres, Spain</b>	Alberto Cristina Head of Mission Next to Mamba Point Hotel	Tel: +231 6 551 697 Email: <a href="mailto:msfe-monrovia-cg@barcelona.msf.org">msfe-monrovia-cg@barcelona.msf.org</a> Web: <a href="http://www.msf.org/">www.msf.org/</a>
<b>NRC – Norwegian Refugee Council</b>	Lorna Aling – Acting Country Director Randall Street, South Beach, Mamba Point, Monrovia, Liberia	Tel: +231 6 592 100 Tel: +231 6 913 017 Email: <a href="mailto:fam@liberia.nrc.no">fam@liberia.nrc.no</a> Web: <a href="http://www.nrc.no/">www.nrc.no/</a>
<b>OSIWA – Open Society Initiative for West Africa</b>	Joe Hindovei Pemagbi Country Coordinator Former Star Radio Building, Old CID Road, Monrovia, Liberia	Tel: +231 6 813 108 Tel: +231 6 543 950 Email: <a href="mailto:jpemagbi@osiwa.org">jpemagbi@osiwa.org</a> Web: <a href="http://www.osiwa.org/">www.osiwa.org/</a>
<b>Oxfam GB</b>	Chals Wontewe – Country Director 10 <sup>th</sup> Street, Sinkor, Monrovia, Liberia	Web: <a href="http://www.oxfam.org.uk/">www.oxfam.org.uk/</a> Email: <a href="mailto:cwontewe@oxfam.org.uk">cwontewe@oxfam.org.uk</a> Tel: +231 77 551 348
<b>PWJ – Peace Winds Japan</b>	Maho Miura – Country Representative 16 <sup>th</sup> Street, Sinkor, Monrovia, Liberia	Tel: +231 6 917 366 Email: <a href="mailto:maho_miura@peace-winds.org">maho_miura@peace-winds.org</a> Web: <a href="http://www.peace-winds.org/">www.peace-winds.org/</a>
<b>Plan Liberia</b>	Augustine Allieu – Country Director Off Tubman Boulevard, (former Sophie's Ice Cream Road) Congo Town, Monrovia, Liberia	Tel: +231 6 645 213 Email: <a href="mailto:augustine.allieu@plan-international.org">augustine.allieu@plan-international.org</a> Web: <a href="http://plan-international.org/">http://plan-international.org/</a>
<b>PSI – Population Services International</b>	Axel Addy – Country Representative James A.A. Pierre Building, 40 Carey Street, Monrovia, Liberia	Tel: +231 6 817 176 Tel: +231 6 496 439 Email: <a href="mailto:aaddy@psiliberia.org">aaddy@psiliberia.org</a> Email: <a href="mailto:info@psiliberia.org">info@psiliberia.org</a> Web: <a href="http://www.psi.org/">www.psi.org/</a>
<b>RTP – Right To Play</b>	David Sombie - Country Manager 12th Street & Payne Avenue, Sinkor, Monrovia, Liberia	Tel: +231 6 814 811 Email: <a href="mailto:dsombie@righttoplay.com">dsombie@righttoplay.com</a> Web: <a href="http://www.righttoplay.com/">www.righttoplay.com/</a>
<b>SP – Samaritan's Purse</b>	Kendell Kauffeldt – Country Director ELWA Compound, Robertfield Highway, Monrovia, Liberia	Tel: +231 6 929 102 Email: <a href="mailto:kkauffeldt@samaritan.org">kkauffeldt@samaritan.org</a> Web: <a href="http://www.samaritanspurse.org/">www.samaritanspurse.org/</a>
<b>SC-UK – Save the Children UK</b>	Susan Grant – Country Director UN Drive, Mamba Point, Monrovia, Liberia	Tel: +231 6 553 210 Email: <a href="mailto:s.grant@savethechildrenliberia.org">s.grant@savethechildrenliberia.org</a> Web: <a href="http://www.savethechildren.org.uk/">www.savethechildren.org.uk/</a>
<b>SSI – Sight Savers International</b>	Adoley Sonii – Country Director (Under Action Aid office) Tubman Boulevard, Congo Town, Monrovia, Liberia	Tel: +231 6 512 089 Email: <a href="mailto:asonii@sightsavers.org">asonii@sightsavers.org</a> Web: <a href="http://www.sightsavers.org/">www.sightsavers.org/</a>
<b>SAHU – Solidarités Aide Humanitaire d'Urgence</b>	Claire Bouzigues – Country Director Nigeria Junction & Old Road, Congo Town, Monrovia, Liberia	Tel: +231 6 531 706 Email: <a href="mailto:lib_hom@solidarites-liberia.org">lib_hom@solidarites-liberia.org</a> Web: <a href="http://www.solidarites.org/">www.solidarites.org/</a>
<b>Tearfund</b>	Chantal Ritchey - Program Coord ELWA Compound, Paynesville, Liberia	Tel: +231 6 816 991 Email: <a href="mailto:chantal.richey@tearfund.org">chantal.richey@tearfund.org</a> Web: <a href="http://www.tearfund.org/">www.tearfund.org/</a>
<b>Trócaire</b>	Ms. Róisín Gallagher Regional Programme Manager 15 <sup>th</sup> Street & Payne Avenue, Sinkor, Monrovia, Liberia	Tel: +231 6 577 698 Email: <a href="mailto:rgallagher@trocairelr.org">rgallagher@trocairelr.org</a> Web: <a href="http://www.trocaire.org/">www.trocaire.org/</a>
<b>UMCOR – United Methodist Committee on Relief</b>	Nyamah E. Dunbar UMCOR Health Coordinator 12 <sup>th</sup> Street, Sinkor, Monrovia, Liberia	Tel: +231 6 737 588 Email: <a href="mailto:umcorlib@gmail.com">umcorlib@gmail.com</a> Web: <a href="http://new.gbqm-umc.org/umcor">http://new.gbqm-umc.org/umcor</a>

<b>VIA – Visions in Action</b>	Ms. Floor Verbeek Program Development Manager Off Tubman Blvd, Behind YWCA, Congo Town, Monrovia, Liberia	Tel: +231 6 840 084 Email: <a href="mailto:fverbeek@visionsinaction.org">fverbeek@visionsinaction.org</a> Web: <a href="http://www.visionsinaction.org/">www.visionsinaction.org/</a>
<b>WOL – Water of Life</b>	Miles Coggins – Country Director Thinker's Village Junction, Robertson Highway, Monrovia, Liberia	Tel: +231 6 850 642 Email: <a href="mailto:WOLLiberia@gmail.com">WOLLiberia@gmail.com</a> Web: <a href="http://www.givefreshwater.org/">www.givefreshwater.org/</a>
<b>Welthungerhilfe – Formally German Agro Action (GAA)</b>	Bernd Schwenk – Regional Director 18 <sup>th</sup> Street, Sinkor, Monrovia, Liberia	Tel: +231 77 097 828 Email: <a href="mailto:bernd.schwenk@welthungerhilfe.de">bernd.schwenk@welthungerhilfe.de</a> <a href="http://www.welthungerhilfe.de/home_eng.html">www.welthungerhilfe.de/home_eng.html</a>
<b>ZOA Refugee Care</b>	Nicholas Street – Country Director 3 <sup>rd</sup> Street & Tubman Boulevard, Sinkor, Monrovia	Tel: +231 6 ??? Email: <a href="mailto:streetnic@yahoo.co.uk">streetnic@yahoo.co.uk</a> Web: <a href="http://www.zoa.nl/worldwide">http://www.zoa.nl/worldwide</a>

#### 2.4. National Regulatory Departments

Agency Name & Address	Contact Names & Email	Telephone & Fax
<b>SGS Liberia Inc</b>	Thomas Pichet – Managing Director Email: <a href="mailto:Thomas.pichet@sgs.com">Thomas.pichet@sgs.com</a>	Pichet: +231 6 874 352
	Gustave N'Dri – Operations Manager E-mail: <a href="mailto:gustave.n'dri@sgs.com">gustave.n'dri@sgs.com</a>	N'Dri: +231 6 910 803
<b>Bureau Veritas Liberia,</b> Broad Street, Opposite Catholic Cathedral Church, Monrovia, Liberia	Mr Hassen Moussa Managing Director Email: <a href="mailto:contact.lbr@bureauveritas.com">contact.lbr@bureauveritas.com</a> Web: <a href="http://Bureau Veritas in Liberia">Bureau Veritas in Liberia</a>	Tel: +231 77 08 06 70 <b>Container Scanner Services</b> Tel: + 231 5 854 880
		<b>Forestry</b> Tel: + 231 3 421 218 <b>Government Contracts</b> Tel: + 231 5 854 880 <b>International Trade</b> Tel: + 231 5 854 880 <b>Petroleum Laboratory</b> Tel: + 231 5 854 880
<b>Summary of Role and Services:</b>		
<ul style="list-style-type: none"> <li>➤ Pre-shipment and destination inspection of imports</li> <li>➤ Inspection of exports</li> <li>➤ Container scanning</li> <li>➤ Petroleum analysis on gasoil, motor gasoline and jet fuel</li> </ul>		

## 2.5. Customs Information

During the conduct of the LCA, the team repeatedly tried to meet and talk to the Customs Authorities, but an appointment proved not possible. The information regarding Customs Information has been collected from the INGO (Management Steering Group) and various UN agencies. However, this is not confirmed by local authorities.

Agreements & Conventions Description	Ratified by Country?
WCO (World Customs Organization) member <b>Liberia Presses for World Trade Membership – 23<sup>rd</sup> Oct, 2007</b> The World Trade Organization (WTO), in collaboration with the Liberian government kick started the campaign to join the organisation with a 2-day sensitization workshop. It will take at least five years for Liberia to obtain its membership into the WTO and then only if the necessary requirements are met by the government. <sup>1</sup>	No
Annex J-5 Revised Kyoto Convention	<input type="checkbox"/> Yes <input type="checkbox"/> No Date: N/A
OCHA Model Agreement	<input type="checkbox"/> Yes <input type="checkbox"/> No Date: N/A
Tampere Convention (on the Provision of Telecommunication Resources for Disaster Mitigation and Relief Operations)	<input type="checkbox"/> Yes <input type="checkbox"/> No Date: N/A
Regional Agreements (on emergency/disaster response, but also customs unions, regional integration)	N/A

### 2.5.1. Duties and Taxes Exemption

#### A) Emergency Response:

A 'Special Release' is a way of temporarily bypassing the normal in order to take control of your goods quickly. However you will still be required to go through the normal procedure and will be given 7 days after receiving your 'Special Release' to do so. If you do not go through the normal procedure within 7 days of receiving your 'Special Release' you may not be eligible for further 'Special Releases'.

A 'Special Release' is granted for three reasons:

- For perishable goods (i.e. medicines or fresh food that must get to proper storage quickly)
- If you do not have all necessary paperwork at the Point of Entry
- If the goods are urgently needed emergency humanitarian supplies

Procedure (per bill of lading):

- The procedure is the same for all sea, land, and air Entry Points.
- Write an official letter to the Deputy Minister of Finance for Revenue requesting a 'Special Release'.
- The Deputy Minister will give assent and you then purchase a 'Special Release' form from the Sale of Forms Office on the ground floor of the Ministry of Finance. Each form costs US\$50 but is free for the UN bodies and Diplomatic Missions.
- Fill in the form and submit it to the Deputy Minister of Finance for Revenue for signature.
- Take the form to the Commissioner for Customs for signature.
- Take the form to the Customs Collector at the Point of Entry who will sign and seal the form and release your goods.
- If you are importing goods through an Entry Point outside of Monrovia you may not be able to transport the signed 'Special Release' to the Entry Point in time. Therefore you can ask the Commissioner for Customs, once he/she has signed the form, to phone the Customs Collector at the Entry Point and authorise them to issue a 'Special Release' on site. However, please note that authorisation must come from Monrovia and a 'Special Release' cannot be issued at the Entry Point without it.
- The timeframe for acquiring a 'Special Release' is around one day.

<sup>1</sup> See article [www.otal.com/liberia/index.htm](http://www.otal.com/liberia/index.htm)

**B) Exemption Regular Regime (Non-Emergency Response):**

<b>National Customs Legislation and Regime</b> <i>(provide a brief summary and list available resource documents)</i>
N/A

<b>Organizational Requirements to Obtain a Duty and Exemption Free Status</b>
<b>United Nations Agencies<sup>2</sup></b>
<ul style="list-style-type: none"> <li>• Write an official letter to the Minister of Foreign Affairs requesting him/her to introduce your organisation to the Ministry of Finance and Ministry of Planning and Economic Affairs in order for them to register you for 100% duty free status. Indicate the following: <ul style="list-style-type: none"> <li>- The nature of the agencies work (e.g. Food Aid)</li> <li>- Its predicted area of operation (e.g. Nimba County)</li> <li>- An idea of the sort of goods it will import (both aid and support equipment)</li> </ul> </li> <li>• The Minister of Foreign Affairs will pass the letter to the Ministry of Finance and Ministry of Planning and Economic Affairs for action.</li> <li>• The Ministry of Finance will pass the letter to the Commissioner for Customs (within the Ministry of Finance).</li> <li>• The Ministry of Foreign Affairs will reply to your letter notifying you of your 100% duty free status.</li> <li>• The process takes around a week. There is no cost involved.</li> </ul>
<b>NGOs<sup>3</sup></b>
<ul style="list-style-type: none"> <li>➤ <b>How do you obtain it?</b> <ul style="list-style-type: none"> <li>• Write a letter to the Deputy Minister for Revenue &amp; Taxation at the Ministry of Finance, Honourable Madame Mrs. Elfrieda S. Tamba (+231 6 510 319). The letter should: <ul style="list-style-type: none"> <li>• state your organization's mandate in Liberia</li> <li>• state that your organization is an NGO incorporated in Liberia and has been accredited by MPEA (include copy of certificate)</li> <li>• Include a very brief annual activities report for the previous year (see Annex 3). (In practice, this can be a short one-page activities overview including a list of duty free items from last year)</li> <li>• Include a valid tax clearance (see below)</li> <li>• Identify the exact description of what you are trying to import without paying duty (with serial number / vehicle number / engine number, etc.)</li> <li>• Claim duty-free privilege as an "exempt person" within the meaning of the Revenue Code of Liberia 2000</li> <li>• Some organisations have found that it helps greatly if your donor is able to write a letter confirming their support for your organization and citing any applicable international agreements</li> <li>• The Minister should then write back to you to confirm that you are exempt</li> <li>• Copies of this letter can then be presented to the relevant authorities.</li> </ul> </li> </ul> </li> <li>➤ <b>Cost?</b> <ul style="list-style-type: none"> <li>• According to the NGO Policy, all duty free application forms are free. The cost for the actual duty free permit, however, is US\$100. See Annex 5. This permit needs to be renewed annually, at the cost of US\$100</li> </ul> </li> <li>➤ <b>Step-by-step process for processing duty-free status</b> <ul style="list-style-type: none"> <li>• Obtain the Duty Free &amp; Single Administrative Document (SAD) forms</li> <li>• Present forms to Duty Free Section for the entering of information on the form (typing)</li> <li>• Present forms back to your NGO for signature &amp; stamp</li> <li>• Present forms back to the Deputy Minister for Revenue for assessment</li> <li>• Follow-up by presenting forms to Duty Free Section for tallying by the Director</li> <li>• Present forms to Deputy Minister for Revenue for signature &amp; stamping after making payment of all fees, if applicable. (If fees are applicable, repeat steps from the beginning.)</li> <li>• Present forms to the Deputy Minister for Customs for signature</li> <li>• Present forms to the Director for Customs &amp; Excise for signature &amp; final entrance into their ledger</li> <li>• This whole process takes approximately 7-10 days with constant follow-up with Ministry of Finance staff</li> </ul> </li> </ul>

<sup>2</sup> Draft 2 Customs and Immigration procedures in Liberia: A guide for the humanitarian community, UNJLC December 2003

<sup>3</sup> MSG Quick Tips, August 2009



REPUBLIC OF LIBERIA  
MINISTRY OF FINANCE

**SPECIAL GOVERNMENT NOTICE**

**ISSUANCE OF DUTY FREE CERTIFICATE TO  
NGOS, INGOS, ETC**

The Ministry of Finance wishes to inform all NGOS operating in the Country that the issuance of Duty Free Certificate is now in process. All Local and International NGOS are requested to submit their application letters for Duty Free Certificate to the Bureau of Customs and Excise with the following documents attach:

- Article of incorporation from the Ministry of Foreign Affairs
- Certificate of accreditation from the Ministry of Planning
- Annual activities reports for 2007/2008
- List of anticipated imports
- Valid tax clearance

Please be informed that the issuance or denial of Duty Free Certificate shall be effected within 5-working days as of the receipt

The Ministry is therefore encouraging intervention in those sectors linked to the Poverty Reduction Strategy, namely; health, education, agriculture and infrastructure. Hence, there shall be absolutely no approvals for **used clothing and used shoes** which heretofore have been imports of some Local NGOS. Duty Free shall be restricted to the line of activity for which you are accredited or incorporated.

Please be reminded that the Ministry will not approve any Duty Free imports without a certificate and approved list of imports effective April 1, 2009. A Ministry of Finance Certificate and approved list of imports will be required to process all duty free entries.

SIGNED: \_\_\_\_\_  
G. Alphonso Gaye  
**COMMISSIONER OF CUSTOMS**

\_\_\_\_\_  
Elfrieda Stewart-Tamba  
**DEPUTY MINISTER FOR REVENUE**

\_\_\_\_\_  
Augustine Kpehe Ngafuan  
**MINISTER OF FINANCE**

### 2.5.2. Customs Clearance

See also [www.unjlc.org/ImportedObjects/13053/download](http://www.unjlc.org/ImportedObjects/13053/download)

For clearance at the Freeport of Monrovia please see: [www.nationalportauthorityliberia.org/npa\\_about\\_us.htm](http://www.nationalportauthorityliberia.org/npa_about_us.htm)

The Bureau of Customs and Excise on the 2<sup>nd</sup> of November 2009 launched ASYCUDA Liberia software pilot project initiated by the Department of Revenues at the Finance Ministry.

According to the Ministry, the launching ceremony of ASYCUDA Software System is intended to fully automate customs processes and to improve its service delivery to the public, will take place at the one-stop-shop at the Freeport Customs collection in Monrovia.

However, Ministry of Finance is saying that the system is also intended to reduce customs clearance processes to facilitate trade and commence particularly importation and exportation of goods. They further indicated that the ASYCUDA system will use risk management principles to conduct customs examination and it will apply new business rules to manage declaration processing so as to minimize fraud and abuse in government revenue collection.

The ASYCUDA Liberia, according to the Ministry, has demarcated the country into four regions for easy tax administration and for the payment of customs duty. The Ministry is saying that the four regions are

- Northwest - Ganta Customs Collectorate
- Southwest - Bo-Waterside Collectorate
- Northwest - Voinjamin Collectorate
- Southeast - Buchanan Collectorate

#### A) General Information

Customs Information	
<b>Document Requirements</b>	<ul style="list-style-type: none"> <li>• Before any goods arrive in Liberia, an 'Application for Exemption' form and a 'Consumption Entry' form are required. These can either be bought at every Customs Office (i.e. at the border) or they can be bought in Monrovia at the Sale of Forms Office on the ground floor of the Ministry of Finance</li> <li>• Application for Exemption forms cost US\$100 (free for UN bodies and Diplomatic Missions)</li> <li>• Consumption Entry' forms cost L\$200 and must be paid for by everyone</li> <li>• Complete and submit both forms together to Customs at the Entry Point</li> <li>• When your goods arrive, they will be examined to ascertain their value and duty level. This duty will obviously not be paid but is documented for internal Government records.</li> <li>• Once the examination is completed, the 'Application for Exemption' and 'Consumption Entry' forms will be handed back to you.</li> <li>• Present both forms to the Bureau of Concessions (BOC) at the Ministry of Finance where they will be signed and stamped by the Director.</li> <li>• Both forms then need to be presented to the Duty Free Section at the Ministry of Finance where they will be signed and stamped by the Director.</li> <li>• Present both forms to the Bureau of Customs and Excise at the Ministry of Finance where they will be signed and stamped by the Commissioner.</li> <li>• Take both forms back to the Customs Collector at the Point of Entry who will carry out the final signing and sealing of the documents. Once this is completed, your goods will be released to you.</li> <li>• Timeframe for the whole process is one to two days</li> </ul>
<b>Embargoes</b>	N/A
<b>Prohibited Items</b>	N/A
<b>General Restrictions</b>	N/A

#### B) Customs Clearance Document Requirements

At the time of the LCA, the team was not able to acquire this information while in country. For customs clearance procedure organisations are advised to contact a clearance agent.

#### C) Transit Regime

Transit Regime
Goods can be transited through Liberia duty free / tax exempted if the organisations has such permit.

**2.5.3. Focal Points Information**

<b>Customs Authority Focal Point for all organisations</b>	
Governmental Body	Liberian Bureau of Customs and Excise <ul style="list-style-type: none"> <li>parent: Department of Revenue</li> <li>parent: Ministry of Finance</li> </ul>
Name	Decontee King Sackie
Title	Commissioner
Address	Ministry of Finance
Commissioner of Customs	3 <sup>rd</sup> Floor (Left of Stairs)
Deputy Commissioner for Administration	3 <sup>rd</sup> Floor (Right of Stairs)
Director of BPS	Ground Floor
Director of Duty Free	3 <sup>rd</sup> Floor (Right of Stairs)
Director of Training	3 <sup>rd</sup> Floor (Left of Stairs)
Deputy Commissioner of Operations	3 <sup>rd</sup> Floor (Left of Stairs)
Director – Bonded Warehouse	Customs House – Freeport
Director – Transshipment	Customs House – Freeport
Deputy Commissioner for Excise	3 <sup>rd</sup> Floor (Right of Stairs)
Chief Inspector of Customs	3 <sup>rd</sup> Floor (Left of Stairs)

<b>Freeport of Monrovia Customs Authority Focal Point</b>	
Governmental Body	Monrovia Freeport Customs
Name	H. Nyounkpaio Funne
Title	Acting Senior Collector – Freeport Customs
Address	Monrovia Free Port Customs Office
Telephone Number	+231 6 554 126
Email	<a href="mailto:hfunnebo1@yahoo.com">hfunnebo1@yahoo.com</a>
Web:	<a href="http://mof.gov.lr/">http://mof.gov.lr/</a>
Languages of correspondence	English

**2.5.4. Customs Information by Entry Points**

<b>Customs Entry Points</b>		
<b>Collectorate</b>	<b>County</b>	<b>Designation</b>
Ganta	Nimba	Land Border Crossing
Loguatu	Nimba	Land Border Crossing
Buutuo	Nimba	Land Border Crossing
Jawah	Bong	Land Border Crossing
Mandicoma	Lofa	Land Border Crossing
Yella	Lofa	Land Border Crossing
Bo	Grand Cape Mount	Land Border Crossing
Toe-Town	Grand Gedeh	Land Border Crossing
Harper	Maryland	Seaport
Greenville	Sinoe	Seaport
Buchanan	Grand Bassa	Seaport
Freeport of Monrovia	Montserrado	Seaport
Spriggs Payne Airport	Montserrado	Airport
Roberts International Airport	Montserrado	Airport
Monrovia Post Office (Customs only)	Montserrado	Metropolitan Collectorate

### 3. Logistics Infrastructure

- Facilitation of Logistical Support to non-UNMIL Actors: Humanitarian Coordinator's Support Office (HCSO) is the focal point within UNMIL for all UN and NGO partners wishing to utilize UNMIL assets.
- Given the poor infrastructure and harsh weather conditions, these humanitarian actors have often relied on UNMIL to move staff and cargo to remote regions of the country.
- In 2008, this also includes support to UNHCR and the Government of Liberia for the voluntary refugee repatriation exercise from Ghana.
- HCSO also works with the CIMIC officers in the UNMIL force to plan more sustainable efforts (such as medical outreaches partnering with NGOs and County Health Teams) to vulnerable populations.
- HCSO is located at UNMIL HQ.

#### 3.1. Port Assessment

- All of Liberia's seaports are in a serious state of disrepair owing to structural damage and the lack of maintenance during the conflict.
- Nearly all of Liberia's supply of fuel, food and essential imports are handled by the National Port Authority (NPA)
- The rehabilitation and development of the National Port Authority's (NPA) capacity is essential for development and overall peace and security in Liberia.<sup>4</sup>
- Under the Poverty Reduction Strategy (PRS) plan steps have been taken to address major physical weaknesses and operational inefficiencies in the NPA.
- The Government has completed assessments of the requirements for rehabilitating the marginal wharf on an emergency basis. It has also just completed a downsizing of NPA staff.
- Discussions are underway with respect to legal issues around the warehouses within the Freeport, a number of which have been sub-leased at exorbitant prices in relation to those paid under the original NPA leases.
- Progress is being made in the installation of stronger systems of financial control and management in the operations of the port. An MOU was agreed with the Government, NPA and donor partners on a port sector reform program, encompassing funding of major emergency repairs for the NPA, as well as a public-private partnership to facilitate longer-term investments through a Build Operate Transfer (BOT) arrangement.

During the PRS period, the NPA and the Government will build on these developments by:

- Finalizing the BOT concession covering private management of the NPA and the outsourcing of operational functions, including container handling
- Rehabilitating the marginal wharf of the Port of Monrovia
- Acquiring adequate cargo handling equipment for efficient port operations
- Providing navigational aids for 24-hour berthing and un-berthing of vessels
- Removing the wrecks within the harbor basin
- Acquiring basic marine craft (tugs, pilot boats, launches, etc.)
- Refurbishing the oil jetty and the provision of a firefighting system
- Providing basic equipment for and initiating dredging of the ports outside Monrovia
- Acquiring sea-water firefighting capacity in the NPA yard/Freeport of Monrovia
- Developing a plan for the Freeport of Monrovia and other ports in the country.

<sup>4</sup> Poverty Reduction Strategy, Republic of Liberia, April 2008

### 3.1.1. Port of Monrovia

- The port is also called the Freeport of Monrovia.
- The port enjoys Freeport status.
- In the free zone cargo can be stored in transit, free of duty, pending re-export to other West African states.
- The Port of Monrovia is receiving economical support from the World Bank to improve port operations, such as improving the berths, handling equipment and access roads.

**Monrovia is the only port in Liberia that has the handling facilities and equipment necessary for humanitarian and commercial usage.**

#### 3.1.1.1. Port Overview

Link to port authority: [National Port Authority of Liberia \(NPA\)](#)



Google Maps: [Freeport of Monrovia](#)

Port Location & Contacts	
Country	Liberia
Province and District	Montserrado
Town or City (Closest)	Monrovia
Port Name	Freeport of Monrovia
Latitude	N 06° 34' 00.00" - 6.339915° (WGS84)
Longitude	W 10° 47' 00.00" - 10.795003°(WGS84)
Company / Port Authority	National Port Authority of Liberia
Management Contact and Position	Managing Director NPA: Matilda W. Parker +231 7 771 8937
Management Contact and Position	NPA Port Manager: Emmanuel Horton +231 6 521 662 Contact point for day to day operations
Management Contact and Position	Freeport of Monrovia Harbor Master: Captain Hill

- The port was constructed artificially
- Two breakwaters, 2,359 m and 2,200 m long, protect the harbor, enclosing a basin of approximately 300 hectares (741 acres) of protected water
- The port is not provided with fix shore cranes and therefore all vessels calling the port must be prepared to operate with their own crane (self discharge)
- The general cargo berth, (the main pier), consists of an opened piled, 610 m long by 11 m wide marginal wharf with a reinforced concrete deck
- The deck is in poor state, at some places it has deteriorated completely and has had to be temporarily repaired by UNMIL
- The general cargo ship "Torm Alexandre" was salvaged early 2009
- The commercial quay is now completely open



*Raising of Torm Alexandre*

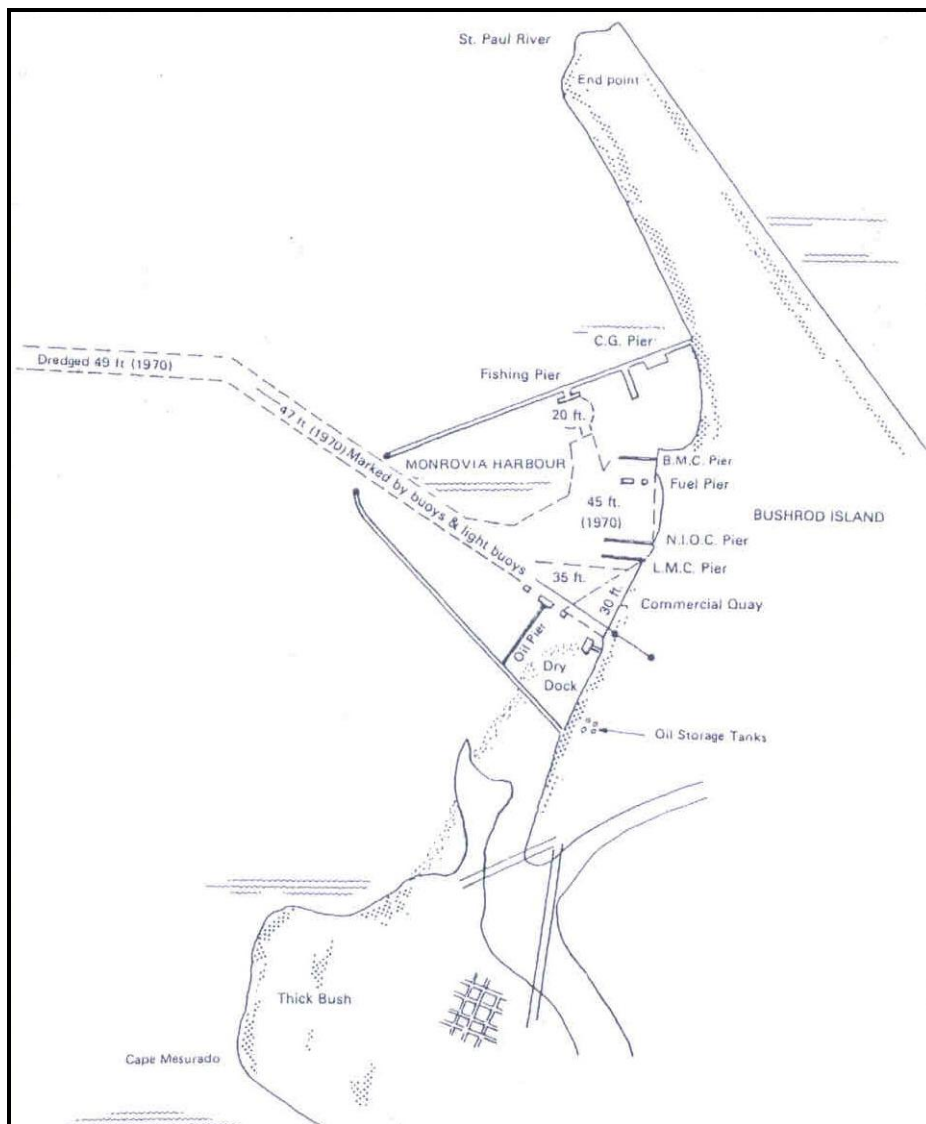
#### **Bottle necks encountered**

- Unavailability of reliable tug and pilot boats to facilitate the safe docking and undocking of vessels calling at the port
- Silted harbor basin which pose a hazard to vessels maneuvering to dock
- Infested sea floor with wrecks and other underwater obstruction which pose danger to ships calling at port
- Badly deteriorated marginal wharf which has technically outlives its life span
- Poor port road network which contributes to frequent breakdown of port handling equipment thereby shortening their life span
- Lack of navigational aids to facilitate dock and undocking operation at night
- Bloated workforce for whom there exist no work and no money to pay
- Inadequate water supply system for the port's own use and those of ships calling at the port

#### **Working Hours**

- Monday to Friday                    0800 – 1600 (Operations and Administration)
- Saturday                                0800 – 1200
- Sunday and holidays                On a necessity basis

3.1.1.2. Port Performance



Performance: 2008	
Vessels calls	382
Container traffic (TEU's)	50,098
Total cargo handling (metric tonnes)	1,423,780
Bulk (metric tonnes)	790,804
Total annual capacity of the port	Currently the port is operating at about 60% of its capacity <sup>5</sup>

Performance: 2008	Non-Containerized	Container	Conventional
	mt / Year	TEU's / Year	mt / Year
Export activity of the Port	39,787	24,049	N/A
Import activity of the Port	751,016	26,049	N/A
Source: NPA 2008 Annual Report			

<sup>5</sup> Interview with NPA Freeport of Monrovia Port Manager, Emmanuel; Horton, 20<sup>th</sup> November 2009

**3.1.1.3. Pilotage fees**

- Compulsory
- Daylight hours only (aids to navigation unlit)
- Since the recent conflict there have been no radio communications at the Port
- US\$100 – \$200

**3.1.1.4. Tug Services**

- Compulsory at discretion of pilot
- Two boats of one is the Tugboat 'Bushrod Island' of 2 x 1,740hp

**3.1.1.5. Mooring Services**

Mooring Service (Rate per operation)	Charge (US\$)
Mooring, un-mooring or other similar service	\$100 (normal time)
Mooring, un-mooring or other similar service	\$150 (after 15:00)
Mooring, un-mooring or other similar service	\$200 (holidays and Sundays)

**3.1.1.6. Port and Harbour dues**

Vessel Description (rate = 100 GRT or part thereof)	Charge (US\$)
All vessels other than those exempted	SWDT/GRT * total hours stay on berth * \$0.05

**3.1.1.7. Dockage, Buoyage and Anchorage**

Type	Charge (US\$)
Dockage at quays, wharves or jetties	SWDT/GRT * total hours stay on berth * \$0.005
Anchorage	SWDT/GRT * (total hours stay on berth)/12 * \$0.03
Buoys and Light maintenance fee	SWDT/GRT * \$0.015
Vessels alongside oil jetty	SWDT/GRT * (total hours stay on berth)/12 * \$0.03
Vessels with bulk cargo at BMC pier	SWDT/GRT * (total hours stay on berth)/12 * \$0.03

Recommended anchorage is up to 1 nautical mile from the south of the buoyed channel, depth 14 to 19m, which provides good holding ground on a sand and mud bottom. Vessels are not anchored within the inner harbour except for a very short period of time.

**3.1.1.8. Supply of Fresh water**

- Only available through road tankers – hydrants are not functional

**3.1.1.9. Hire of Labour and Equipment**

Service (per hour of part thereof)	Charge (US\$)
Floating Crane, incl. of minimum crew and exclusive of towage	N/A
Mobile Crane more than 5 tonnes inclusive of driver	N/A
Mobile Crane less than 5 tonnes or equal inclusive of driver	N/A
Tug boat (inner basin)	\$700/hour
Pilot boat inclusive of crew	\$150/hour (normal time) \$225/hour (after 15:00)
Fire appliance inclusive of minimum crew	N/A
Tipper truck or flatbed lorry inclusive of driver	N/A
Forklift or Tractor more than 5 tonnes inclusive of driver	N/A
Forklift or Tractor less than 5 tonnes or equal of inclusive of driver	N/A
Van, Pick-up or Saloon Car inclusive of driver	N/A
Management or supervisory staff	N/A
Skilled staff: e.g. Crane or Forklift Driver, Artisan, Firemen or Clerk	N/A
Semi-skilled staff: e.g. Labourers, Watchman	N/A

**3.1.2. Berthing Equipment Specifications**

- In 2007, the LMC and BMC piers in the port were designated as alternative cargo handling facilities for all commodities and containers arriving at the port – *these piers are normally not used.*



<b>Port Specifications</b>			
<b>Total Berths</b>	<b>Quantity</b>	<b>Length (m)</b>	<b>Draft (m)</b>
Conventional Berths	4	610	7.5 – 10.9 <sup>6</sup>
Container Berths	4	610	7.5 – 10.9
Bulk Oil Jetties	1	160	9.6 – 12.0 <sup>6</sup>
Cased Oil Jetties	0 (unless using commercial quay)		
Bulk Cement Berths	2	200 + 210	10.0 + 10.2
Lighterage & Dhow (other) Wharves	0		
Explosives Jetty	0		
Berthing Tugs & Mooring Boats	2		
Pilot Boats	1		
Water Barges	0		
Police Boats	0		
Anti-pollution Boats	0		
Speed Boats	0		

### 3.1.2.1. General Services

<b>Service (Per day of part thereof)</b>	<b>Charge (US\$)</b>
Bagging plant operators, per unit of plant	No port service
Vacuators, per unit of plant	No port service
Bunker Supplier	No port service
Bunkering Agent	No port service
Barge operator, per barge	No port service
Fresh Water suppliers (road tankers)	No information
Ship Contractors	Exists
Ship Chandlers	Exists
Safety equipment supplier & service	Exists
Marine Contractors	Exists
Scrap Metal Dealers	Exists
Ship Watchmen Supplier	Exists
Marine Engineer	Exists
Marine Surveyor	Exists
Ship Surveyor	Exists
Cargo Surveyor	Exists
Sludge Collector	No port service
Small Boat Operator	No port service

### 3.1.2.2. Port Cargo Handling Equipment

<b>Port Cargo Equipment</b>		
<b>Appliance</b>	<b>Quantity</b>	<b>Capacity</b>
Cranes – Travelling	0	
Cranes – Portal Electric	0	
Cranes – Electric Overhead	0	
Cranes – Gantry Container	0	
Cranes – Mobile	0	
Forklift Trucks	2 top lifts (NPA)	40' container
	5 (private service providers)	40' container

<sup>6</sup> 18 November - 8 December 2003, RHIB HNLMS Rotterdam

	2 – 3 reach stackers (NPA)	40' container
Trucks	~10 (private service providers)	
Trailers	4 (NPA)	
Tractors	2 (NPA)	
Fire Engines	3 (one in good condition)	

### 3.1.2.3. Container Facilities

Both the full and empty container parks/areas are in a dilapidated state with visible pot holes all over their surface areas. Associated with these pot holes are difficulty to equipment maneuvering and high risk of containers falling off loaded truck. During 2008 construction on a new container park was started under the auspices of the World Bank. However, the pace of work is seemingly slow as indicative of the physical outlook of the site.

Container Facilities		
	20ft (TEU's)	40ft (FEU's)
Container facilities (only forklifts and trucks)	Yes	Yes
Daily off-take capacity No of containers/day	10 – 50	10 – 50
Container Freight Stations (CFS)	Yes	Yes
Number of CFS	0 (done ad hoc where possible)	0 (done ad hoc where possible)
Capacity of CFS No of containers/day		
Refrigerated Container Stations	Yes	Yes
Number of Stations (connection points)	10 (not always working)	

### 3.1.2.4. General Cargo Handling Berths

- As specified earlier the Port of Monrovia only consists of one main commercial berth
- In addition to this there is one oil jetty (see [Charges for General Services](#))
- Also there is one jetty for bagged cargo (240 m long depth 9.2 – 12.1 m) <sup>6</sup>

General Cargo - Imports	Berths
Imports – Bagged Cargo	1 (jetty)
Exports – Bagged Cargo	1 (same as above)
Imports – Steel Goods	1 (commercial quay)
Imports & Exports – Ro-Ro	1 (commercial quay)
Imports – Vehicles	1 (commercial quay)
Others Imports	N/A

### 3.1.2.5. Oil Handling Terminal

- One oil jetty exists with berth availability for 1 ship
- The jetty is in regular condition, as well as the pipes and storage tankers

### 3.1.2.6. Grain & Bulk Handling

- No service available due to lack of material handling equipment
- Bulk commodities should be bagged

### 3.1.2.7. Main Silo Terminal

- No silo terminal

### 3.1.2.8. Main Storage Terminal

- Container storage area 8,100 m<sup>2</sup> outdoors (NPA)
- General cargo storage area 6,000 m<sup>2</sup> outdoors (NPA)
- The only warehouse operated by NPA for the storage of general/loosed cargo remains unavailable and it is severely damaged

### 3.1.2.9. Bagging – Grain Handling

- One quay is in place for off-and on loading bagged commodities if the commercial quay is already occupied
- Trucks can drive out on the quay for smoother handling

- However the loading process must be done by manual labor or on board equipment
- Expect no, or limited, assistance at the port

### 3.1.2.10. Stevedoring

- Stevedoring is provided by NPA and private service providers, who also more or less own the market
- See also section 4.5.
- The inadequacy of container handlers occasioned by frequent breakdown creates hitches in NPA's ability to deliver cargo

### 3.1.2.11. Shore Handling

- No information was acquired during the LCA (after four weeks of persistence)

### 3.1.2.12. Clearing Agents

Company Name	Contact Names & Email	Telephone & Fax
<b>Seatrans,</b> Monrovia, Liberia	Charles Avorkliya Title: Shipping Manager Email: <a href="mailto:seatrans@nasglobal.com">seatrans@nasglobal.com</a> Name: Theresa Dougba Title: Managing Director Email: <a href="mailto:seatrans@nasglobal.com">seatrans@nasglobal.com</a>	Tel: +231 651 0892 Tel: +231 651 7791
Clearing, Stevedoring, Casual Labour		
<b>Umarco,</b> Monrovia, Liberia	Name: Joel Broux Title: Managing Director Email: <a href="mailto:joel.broux@bollore.com">joel.broux@bollore.com</a>	Tel: +231 77 579 800 Tel: +231 6 742 271 Fax: +231 77 059 636
Clearing, Stevedoring, Freight Forwarding		
<b>Unicamb Inc</b> Randall Street, Monrovia, Liberia	Name: Yielarper R.F Siaway Sr. Title: CEO & MD Email: <a href="mailto:unicamb_inc@yahoo.com">unicamb_inc@yahoo.com</a>	Tel: +231 6 551 593 Tel: +231 6 513 157 Tel: +231 6 917 553
Clearing		
<b>OBT Shipping Ltd</b> Doe Community, Somalia Drive, Bushrod Island, 1000 Monrovia, Liberia	Name: Title: Email: <a href="mailto:lib@obts.dk">lib@obts.dk</a> Web: <a href="http://www.obts.dk">www.obts.dk</a>	Tel: +231 6 590 900
Clearing, Stevedoring, Freight Forwarding		
<b>Instant Clearing &amp; Forwarding Agency,</b> Vai Town, Monrovia, Liberia	Name: Title: Email:	Tel: +231 77 148 102
Clearing & Forwarding		
<b>Expert Cargo, Inc,</b> Broad Street, Monrovia, Liberia	Name: Title:	Tel: + 231 6 510 013
Clearing & Forwarding		
<b>Member of the National Custom Brokers Association of Liberia, Inc.</b> Monrovia, Liberia	Name: Thomas Dudu Sr. Title: Manager Email:	Tel: + 231 6 510 800
Clearing		

### 3.1.2.13. Port Security

Security			
ISPS Compliant	Yes		✓ No
ISPS Level (current)	1	✓ 2	3
	1=Normal	2=Heightened	3=Exceptional

### 3.1.2.14. Storage Facilities

- No information was acquired during the period of the LCA (after four weeks of persistence)
- In general the warehouses in the Freeport are in bad condition

### 3.1.3. Port of Buchanan

#### 3.1.3.1. Port Overview

Google Maps: [Port of Buchanan](#)

Port locations & Contacts	
Country	Liberia
Province and District	Grand Bassa County
Town or City (Closest)	Buchanan
Port Name	Port of Buchanan
Latitude	N 05° 51' 31.60" - 6.339915° (WGS84)
Longitude	W 10° 03' 03.80" - 10.795003° (WGS84)
Company / Port Authority	National Port Authority of Liberia
Management Contact and Position	NPA Deputy Managing Director: Jeffrey George, NPA Management Office in Monrovia (responsible for out ports operations)
Management Contact and Position	Pier Superintendent: George Weisley +231 6 525 750

- The Port of Buchanan is located approximately 125 km SE of Monrovia (by road) and was constructed in 1960
- The harbour is protected by two breakwaters, 1,890 m and 590 m long
- Inside the basin, a 255 m long ore-loading quay is located adjacent to the deeper section of the harbour basin with a water depth of 10.5 m below chart datum<sup>7</sup>
- This quay was in the past used for the shipment of iron ore is currently not in use
- Adjacent to the loading quay, a waiting berth for ore carriers is available
- On the inner side of the secondary breakwater, a commercial quay, roughly 320 m long, is located with an available water depth of 10.15 m below chart datum, except on the south extreme where a depth of 9 m was reported.<sup>8</sup>
- This quay is used to handle all general cargo.
- The access channel to the port provides ships a water depth of 11.5 m below chart datum and a channel width between the breakwaters of 210 m.
- The port (1963) exports iron ore, rubber, and palm oil and kernels.<sup>9</sup>
- The port itself is formed by 2 breakwaters, main and secondary. The commercial berth is situated on the secondary breakwater, and the ore berth on the shore, protected by the main breakwater.

Performance: 2008	
Vessels calls	6 (2007)
Container traffic (TEU's)	0
Total cargo handling (metric tonnes)	23,371
Total annual capacity of the port	
Source: NPA 2007 Annual Report	

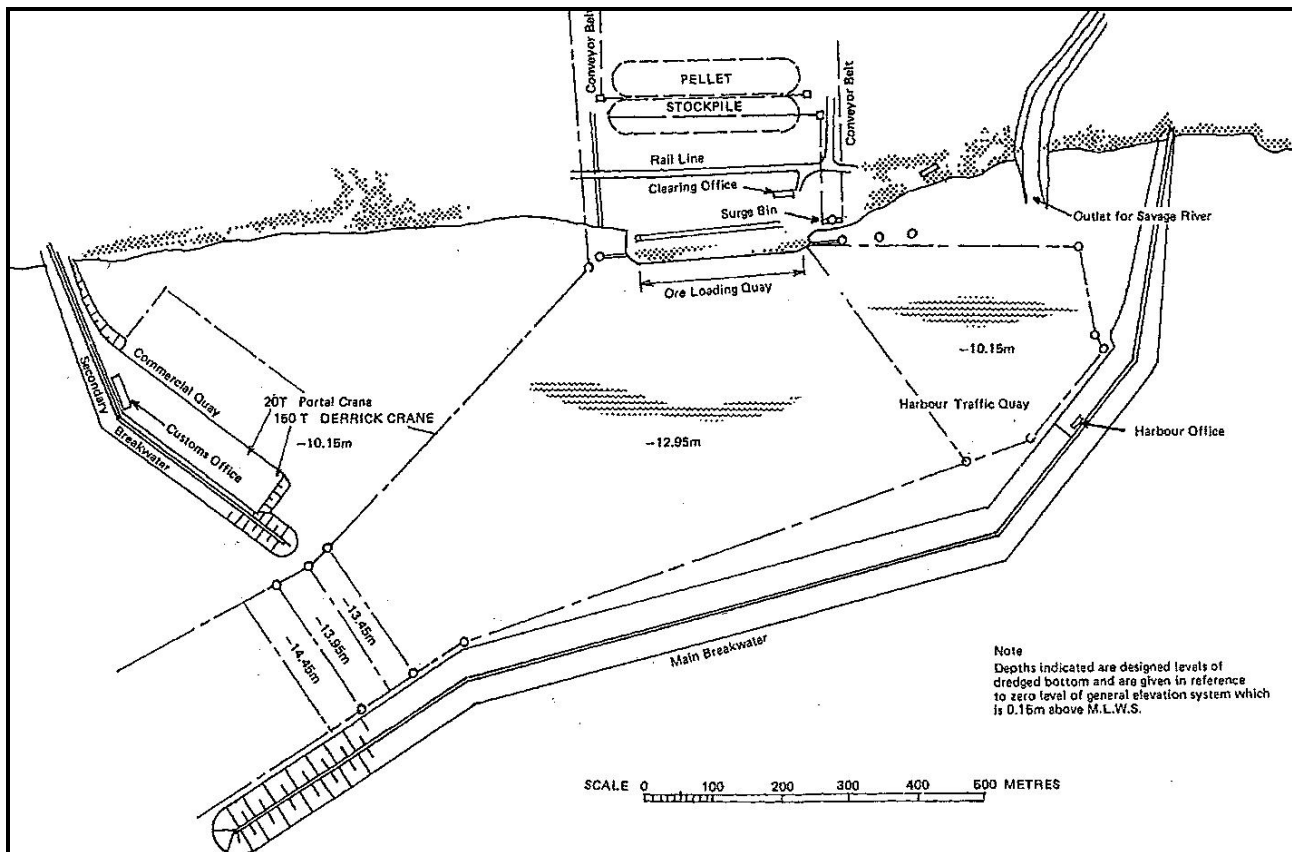
Capacity: 2007	Bulk	Container	Conventional
	mt / Year	TEU's / Year	mt / Year
Export activity of the Port	N/A	N/A	18,047
Import activity of the port	N/A	N/A	5,324
Imported to Liberia	N/A	N/A	
Source: NPA 2007 Annual Report			

<sup>7</sup> NPA Annual Report 2007

<sup>8</sup> WFP Buchanan Port Assessment 15<sup>th</sup> January 2003

<sup>9</sup> Buchanan (2009) In *Encyclopedia Britannica*: [www.britannica.com/EBchecked/topic/82820/Buchanan](http://www.britannica.com/EBchecked/topic/82820/Buchanan)

3.1.3.2. Port Performance



3.1.3.3. Berthing Equipment Specifications

Port Specifications			
Total Berths	Quantity	Length (m)	Draft (m)
Conventional Berths	1 – 3	320	9 – 10.1 <sup>10</sup>
Container Berths	1 – 3	320	9 – 10.1
Bulk Oil Jetties	None existing		
Cased Oil Jetties	Use conventional berth		
Bulk Cement Berths	None existing		
Lighterage & Dhow (other) Wharves	None existing		
Explosives Jetty	None existing		
Berthing Tugs & Mooring Boats	None existing		
Pilot Boats	None existing		
Water Barges	None existing		
Police Boats	None existing		
Anti-pollution Boats	None existing		

3.1.3.4. Port Cargo Handling Equipment

Port Handling Equipment		
Appliance	Quantity	Capacity
Cranes – Travelling	0	0
Cranes – Portal Electric	0	0
Cranes – Electric Overhead	0	0
Cranes – Gantry Container	0	0

<sup>10</sup> WFP Buchanan Port assessment 15<sup>th</sup> of January 2003

Cranes – Mobile	0	0
Forklift Trucks	0	0
Tractors	0	
Fire engines	0	

### 3.1.3.5. Container Facilities

- There are no container facilities available

### 3.1.3.6. General Cargo Handling Berths

General Cargo - Imports	Berths
Imports – Bagged Cargo	1 – 3
Exports – Bagged Cargo	Same as above
Imports – Steel Goods	1
Imports & Exports – Ro-Ro	1 – 3 (use conventional quay)
Imports – Vehicles	1 – 3 (use conventional quay)
Others Imports	1 – 3

- Vessels calling at the Port of Buchanan should be prepared to have their own or bring their own loading and off-loading equipment (self discharge).

### 3.1.3.7. Storage Facilities

- 3 large warehouses are in the abandoned plywood factory approximately 300 m north of the port main gate
- Each of the warehouses is of approximately 120 x 45 m, about 5,000 m<sup>2</sup>
- They have wooden structures that are intact, however most of the zinc plated roof and walls has been removed
- No storage facilities are thus available

### 3.1.4. Port of Greenville

- Recently a ship capsized in the harbour and along with outdated hydrographic surveys and poor road conditions, the port of Greenville was closed to all maritime traffic
- However the port has reopened for use after Dutch and U.S. naval survey teams completed a 7-day joint hydrographic survey of its waterways, clearing the way for future commercial traffic to begin using the harbor again. These surveys will ensure that Liberian nautical charts are up to date and will show the commercial shipping industry when and where it is safe to navigate in these waters.
- Technology, such as motion reference, multi-beam echo sounding and precise GPS positioning were used to create a complete picture of each harbor's sea floor
- The teams also installed tide gauges to document the ever-changing levels of tides in each harbour.
- Surveys were also produced for Monrovia and Buchanan ports.
- Although the Greenville harbor is reopened for use, the port must await commercial industry verification prior to allowing commercial traffic in.
- Africa Partnership Station will bring an international team of maritime experts including elements from Belgium, the Netherlands, Portugal and the United States to offer assistance in addressing maritime safety and security.<sup>11</sup>

#### 3.1.4.1. Port Overview

Google Maps: [Port of Greenville](#)

Port Location & Contacts	
Country	Liberia
Province and District	Sinoe
Town or City (Closest)	Greenville
Port Name	Port of Greenville
Latitude	N 4° 59' 14.00" - 4.986752° (WGS84)
Longitude	W 9° 02' 28.00" - -9.041396° (WGS84)
Company / Port Authority	National Port Authority
Management Contact and Position	NPA Deputy Managing Director: Jeffrey George NPA Management Office in Monrovia (responsible for out ports operations)

<sup>11</sup> [www.otal.com/liberia/index.htm](http://www.otal.com/liberia/index.htm), accessed 24<sup>th</sup> November 2009

- The Port of Greenville is located approximately 375 km (by road) SE of Monrovia
- Greenville is the 3<sup>rd</sup> largest port in Liberia
- The port has two quays (70m and 180m long respectively) on the inner side of the breakwater for berthing facilities, with an existing water depth of 6m below chart datum
- The port functioned mainly as an outlet for the timber industry.

#### 3.1.4.2. Port Performance

Performance: 2007	
Vessels calls	51
Container traffic (TEU's)	0
Total cargo handling (metric tonnes)	No information
Total annual capacity of the port	No information
Source: NPA 2007 Annual Report	

#### 3.1.4.3. Berthing Equipment Specifications

Port Specifications			
Total Berths	Quantity	Length (m)	Draft (m)
Conventional Berths	1 – 3	334	9.5
Container Berths	1 – 3	334	9.5
Bulk Oil Jetties	None existing		
Cased Oil Jetties	Use conventional berth		
Bulk Cement Berths	None existing		
Lighterage & Dhow (other) Wharves	None existing		
Explosives Jetty	None existing		
Berthing Tugs & Mooring Boats	None existing		
Pilot Boats	None existing		
Water Barges	None existing		
Police Boats	None existing		
Anti-pollution Boats	None existing		
Speed Boats	None existing		

#### 3.1.4.4. Port Cargo Handling Equipment

Port Cargo Equipment		
Appliance	Quantity	Capacity
Cranes – Travelling	0	
Cranes – Portal Electric	0	
Cranes – Electric Overhead	0	
Cranes – Gantry Container	0	
Cranes – Mobile	0	
Forklift Trucks	0	
Tractors	0	
Fire Engines	0	

#### 3.1.4.5. Container Facilities

- No container facilities are available

#### 3.1.4.6. General Cargo Handling Berths

General Cargo - Imports	Berths
Imports – Bagged Cargo	1 – 3
Exports – Bagged Cargo	1 – 3
Imports – Steel Goods	1

Imports & Exports – Ro-Ro	1 – 3 (use conventional quay)
Imports – Vehicles	1 – 3 (use conventional quay)
Others Imports	1 – 3

- Vessels calling at the Port of Buchanan should be prepared to have their own or bring their own loading and off-loading equipment (self discharge)

#### 3.1.4.7. Storage Facilities

- There are no storage facilities available

#### 3.1.5. Port of Harper

Google Maps: [Port of Harper](#)

##### 3.1.5.1. Port Overview

Port Location & Contacts	
Country	Liberia
Province and District	Maryland
Town or City (Closest)	Harper
Port Name	Port of Harper
Latitude	N 4° 22' 00.00" - 4.366390° (WGS84)
Longitude	W 7° 43' 43.00" - -7.728945° (WGS84)
Company / Port Authority	National Port Authority
Management Contact and Position	NPA Deputy Managing Director: Jeffrey George NPA Management Office in Monrovia (responsible for out ports operations)

- The Port of Harper is located approximately 800 km by road SE of Monrovia
- The port was constructed in 1959
- The harbour is protected by 150 m long breakwater off Russwurn Island
- It is in very bad condition and all the port area lacks pavement and is covered by dry mud
- The port has two piers, one oriented ESE- WNW and the other ENE – WSW
- The first one is an old pier built when the port was founded, and at present is partly collapsed and in very bad condition for berthing
- The second one is the “new” pier, in quite good conditions, approximately 100 m long
- The port has no navigation aids
- The floating aids are missing or unlit and out of the chartered location, the breakwater light is unlit and the Cape Palmas lighthouse at the north of the harbor is inoperative
- Its port (1960) mainly exports lumber cut by the Maryland Logging Company and rubber from the Firestone Company's Cavalla Plantation 15 miles (24 km) inland
- A sugar refinery was opened in 1978
- Harper is connected by air with Monrovia and by road with Ganta. Pop. (2003 est.) 20,000.<sup>12</sup>

##### 3.1.5.2. UNMIL Chartered Vessel

- UNMIL is chartering a vessel 3 times/month for traffic between the Port of Monrovia and the Port of Harper.
- It is filled on a space available priority
- Shipment on this vessel is **free of charge for the humanitarian community**
- To acquire the proper permission to load things onto the vessel one must seek the permission of the UNMIL Humanitarian Coordinator's Support Office located at UNMIL HQ Monrovia. Space is most often available
- UNMIL has one 1.5 – 2.5 T forklift in place at Harper for loading and unloading

##### 3.1.5.3. Port Performance

Performance: 2007	
Vessels calls	74 – Excluding UNMIL chartered vessel 'Catarina' calling 3 times per month
Container traffic (TEU's)	0
Total cargo handling (metric tonnes)	10,507
Total annual capacity of the port	No information
Source: NPA 2007 Annual Report	

<sup>12</sup> Harper (2009) *Encyclopedia Britannica* - Online: [www.britannica.com/EBchecked/topic/255736/Harper](http://www.britannica.com/EBchecked/topic/255736/Harper)



Capacity: 2007	Bulk	Container	Conventional
	mt / Year	TEU's / Year	mt / Year
Export activity of the Port			9,633
Import activity of the port			874
Source: RHIB HNLMS Rotterdam, 23 <sup>rd</sup> – 25 <sup>th</sup> January 2004			

#### 3.1.5.4. Berthing Equipment Specifications

Port Specifications			
Berths	Quantity	Length (m)	Draft (m)
Conventional Berths	1	100	5.2 <sup>13</sup>
Container Berths	Use conventional berth		
Bulk Oil Jetties	0		
Cased Oil Jetties	Use conventional berth		
Bulk Cement Berths	0		
Lighterage & Dhow (other) Wharves	0		
Explosives Jetty	0		
Berthing Tugs & Mooring Boats	0		
Pilot Boats	0		
Water Barges	0		
Police Boats	0		
Anti-pollution Boats	0		

#### 3.1.5.5. Port Cargo Handling Equipment

Port Cargo Equipment		
Appliance	Quantity	Capacity
Cranes – Travelling	0	
Cranes – Portal Electric	0	
Cranes – Electric Overhead	0	
Cranes – Gantry Container	0	
Cranes – Mobile	0	
Forklift Trucks	1 (UNMIL)	1.5 – 2.5 mt
Tractors	0	
Fire engines	0	

#### 3.1.5.6. General Cargo Handling Berths

General Cargo – Imports	Berths
Imports – Bagged Cargo	1
Exports – Bagged Cargo	1
Imports – Steel Goods	None existing
Imports & Exports – Ro-Ro	None existing
Imports – Vehicles	None existing
Others Imports	Use conventional berth

- Vessels calling at the Port of Buchanan should be prepared to have their own or bring their own loading and off-loading equipment (self discharge).

#### 3.1.5.7. Storage Facilities

- There are no storage facilities available

<sup>13</sup> RHIB HNLMS Rotterdam, 23<sup>rd</sup> – 25<sup>th</sup> of January 2004

## 3.2. Airport Assessment

### 3.2.1. Civil Aviation

#### 3.2.1.1. Overview

- The Liberian Civil Aviation Authority is responsible for the air and safety for the Liberia air space
- The main Office is at the Roberts International Airport, secondary office for the Assistant Manager Flight Safety Standard is located within Spriggs Payne Airport

Authority & Address	Contact Names & Email	Telephone & Fax
<b>Liberia Civil Aviation Authority,</b> Po Box 68, Harbel, Margibi County, Liberia	Name: Mr. Richelieu A. Williams Title: Director General Email: <a href="mailto:rwilliams.dirgen@liberiaca.com">rwilliams.dirgen@liberiaca.com</a> Web: <a href="http://www.liberiaca.com/">www.liberiaca.com/</a>	Tel: +231 77 273 689 Fax: +1 347 402 4350
<b>Airworthiness Authority,</b> P.O. Box 68 Harbel, Margibi County, Liberia	Mr. William J. Adams Assistant Manager Flight Safety Standard Liberia CAA. Office at Spriggs Payne Airport Email: <a href="mailto:wjadams.chieffss@liberiaca.com">wjadams.chieffss@liberiaca.com</a> Web: <a href="http://www.liberiaca.com/">www.liberiaca.com/</a>	Tel: +231 599 8803 Tel: +231 77 511 919 Fax +231 227 515
<b>Flight Operations,</b> P.O. Box 68 Harbel, Margibi County, Liberia	Capt. Moses K. Weefur Assistant Manager Flight Operations Liberia CAA Email: <a href="mailto:mkweefur@liberiaca.com">mkweefur@liberiaca.com</a> Web: <a href="http://www.liberiaca.com/">www.liberiaca.com/</a>	Tel : +231 599 7732 Fax : +231 227 515
<b>Aviation Security</b> P.O. Box 68 Harbel, Margibi County Liberia	Mr. Peter W. Nagbe Chief Aviation Security Email: <a href="mailto:pwnagbe.chiefavsec@yahoo.com">pwnagbe.chiefavsec@yahoo.com</a> Web : <a href="http://www.liberiaca.com/">www.liberiaca.com/</a>	Tel: +231 599 8804 Fax: +231 227 515
<b>Meteorological Authority</b> P.O. Box 9041 1000 Monrovia, Liberia	Mr. Arthur Garh-Glahn Director Meteorological Authority Ministry of Transport Email: <a href="mailto:meteoliberia@yahoo.com">meteoliberia@yahoo.com</a>	Tel: +231 656 5245 Fax: +231 227 515
<b>Meteorological Agency</b> Roberts International Airport P.O. Box 1 Harbel, Margibi County, Liberia	Mr. Akoi T. Vanwambah – Manager Email: <a href="mailto:avanyambah@yahoo.com">avanyambah@yahoo.com</a> (providing meteorological services on behalf of the Meteorological Authority, where relevant)	Tel: +231 6 913 751 Fax: +231 227 838

#### 3.2.1.2. Principal Directors

Principal Directors – Liberia CAA	
Assistant Chief Aviation	Ms. Catherine T. Mathis
Security Aviation Security Officer	Mr. Mentee A. Zoekago

#### 3.2.2. Other Information

In Liberia, the following requirements need to be applied, presented and approved before preposition of foreign registered aircraft:

- Application
- Registration and Safety
- Operator, aircraft and crew documentation
- Other comments (e.g. process timeline, issue)

#### 3.2.3. Procedures required for Foreign Registered Aircraft

- **Preposition of Foreign Registered Aircraft**
  - Inspection of aircraft, operational and maintenance base facilities
  - Request over-flight and landing permit
  - Air Service License or Temporary Air Service Permit needed for operation
  - Certified personnel for operations
- **Application Forms**
  - Air Service License application form
  - Temporary Air Service Permit application form
  - Prospective Operator's Pre-assessment Statement (POPS) form
  - Aircraft registration application

- **Documents needed for Operations**
  - Air Operator Certificate (AOC)
  - Aircraft Airworthiness Certificate
  - Aircraft Registration Certificate
  - Insurance Certificate
  - Crew documents (Licenses and Medical) and proficiency check
  - Radio Station License
  - Noise Certificate
- **Fees**
  - Air Service License (ASL)
    - Short Haul regional operation US\$ 3,000
    - Long Haul US\$ 5,000
  - Temporary Air Service Permit (TASP) US\$ 1,400
  - All others charges are as per LCAA scheme and are available at the LCAA offices
- **Registration and safety needed to register aircraft**
  - All aircraft pertinent documents for inspection and scrutiny
  - Aircraft de-registration certificate
  - Inspection for aircraft registration

➤ **Timeline Service Standards**

Regulatory Services	Time Frame
<b>Certification and Issue of Air Carrier Licence</b> In liaison with collaborating agencies where the applicant is required to submit and defend a Business Plan for desired flight operations; meet statutory requirements of the Ministry of Transportation; and would be vetted and cleared for air operations in Liberia	6 months
<b>Registration of Aircraft &amp; Certification of an Air Operator (Initial AOC)</b> Where the prospective operator must show evidence of aviation-related experienced key management personnel; qualified and certified personnel; prospective aircraft; provide the statutory Air Operators' manuals and required documentation; and demonstrate an ability/competence for the handling of successful air operations thru' a test flight	7 months
<b>Renewal of Certificate of Airworthiness</b>	3 weeks
<b>Renewal of Air Operators' Certificate</b> Where the operator has not defaulted in any safety over-sight surveillance check during the period of operations	3 days
<b>Licensing of Aircraft Maintenance Engineers</b> Conversion of Foreign Licence to Liberian Licence	8 days
<b>Approval of Aircraft Maintenance Organization</b>	3 weeks
<b>Personnel Licensing</b> Of pilots, flight engineers, cabin crew, and flight operations' officers. Conversion of Foreign licence to Liberian licence, where the foreign issuing country is contacted for vetting; and has given validation for applicant's licence	8 working days
<b>Renewal of Personnel License (Liberian)</b>	2 days
<b>Licensing of Aviation Training Organizations (ATO's)</b> Where the prospect applicant must submit a pre-application of intent to include Certificate of Incorporation and Objects; show evidence of aviation-related experienced key management personnel and instructors, aircraft and/or facility acquisition; provide schedule of course programme and supporting documentation and proposed training aerodrome; and demonstrate the ability to provide training for a licence or rating	8 months
<b>Certification and Registration of Aerodromes</b> Where the prospective operator has provided statutory documentation and required information; and has provided timely responses to Letters of Corrections (LOC's) and all required correspondences	2 months
<b>Air Navigation Services</b>	
<b>Approval for Request of Over-flight and Landing Clearance</b> Where an air operator needs to be cleared by Liberia, before flight operations into the Roberts FIR	Within 48 hours
<b>Provision of Air Traffic Service</b>	Within 24 hours
<b>Provision of Aeronautical Information Services</b>	Within 30 hours
<b>Search and Rescue Services</b>	Within 48 hours

- **Highlight of differences**
  - Any aircraft that is contracted by United Nations but is not performing under its Military Missions is required to operate under civil aviation status and is subjected to all civil aviation charges in Liberia

**3.2.3.1. Over-flight and Landing Permit Requests**

- 72 hours notice is required for a landing or over flight permit to be issued by the Liberia CAA.
- The only exceptions are emergency and diplomatic clearances where the permit will be issued only after the receipt of the request
- In order to facilitate the process for our frequent requesting users, we are developing a data base to expedite this process. All end users who completely fill up the below form through which we will have their data on file, can request within 48 hours and receive the necessary permit
- The Liberia CAA will be conducting background checks on the information received therefore accuracy when completing the forms is critical and when returned to the LCAA, none to be left blank.
- For all other requests the regular 72 hour time frame will remain enforced
- For more info: [www.liberiacaa.com/landingrequest.aspx](http://www.liberiacaa.com/landingrequest.aspx)

**3.2.4. UNMIL Air Operations Contacts**

- To be able to operate aircraft on airstrips and helipads managed by the Liberia CAA and UNMIL, it is preferable to contact air operations prior to any flight

UNMIL – Air Operations Contacts	Telephone
Mr Olex	+231 531 9322
Mr Teo	+231 531 9724
Mr Kassab (Starbase) – Managing Air Ops Officer	+231 531 9275

**3.2.5. UNHAS Air Operations**

The Service Operation Procedure, Booking form and schedule can be found in the annexes of this document.

**3.2.5.1. Operational Objectives**

- The WFP managed United Nations Humanitarian Air Services (UNHAS) were established to facilitate transportation of urgently needed non-food items and movement of humanitarian personnel in West Africa Coastal countries (WAC) - Guinea, Ivory Coast, Liberia and Sierra Leone.
- To provide efficient, safe and secure air services to humanitarian agencies operating in the WAC Region
- To provide medical and security evacuations to humanitarian agencies
- To enhance humanitarian coordination between humanitarian agencies in Guinea, Ivory Coast, Liberia and Sierra Leone
- To transport high energy foods and perishable cargo, such as vaccines and other medical supplies

**3.2.5.2. Result**

- In the WAC Regional Humanitarian Response, WFP UNHAS continues to play a critically important role in support of the work being done by humanitarian organizations and donor community.
- Despite the transition from emergency operations to relief and rehabilitation efforts, road infrastructure in the region remains extremely poor.
- Civil Aviation Authorities in all four WAC countries lack resources necessary to manage and oversee safe commercial air operators. Consequently, there are no local or regional airlines that can provide safe, secure and reliable services to the humanitarian community.
- Thus, WFP UNHAS offers the only safe, secure, reliable and efficient mode of transportation. UNHAS also provide a unique and critical service to the humanitarian community in case of security and medical evacuations.
- The political and security situation remains very unstable in the entire WAC Region, therefore UNHAS is there to provide safe and rapid response option.

**3.2.5.3. Outputs**

- The home base of UNHAS operation in the WAC region remains at Monrovia in Liberia
- The fleet which currently comprises of one Let 410 (17-seat) is based
- The regional central location of Monrovia is important in terms of cost efficiency and logistical flight planning
- The Humanitarian Air Services serve over 250 humanitarian organizations and carries out around 25 flights per week to 8 different destinations within the WAC Region
- Due to the funding shortages, WFP decided to rationalize the air service with a view to keep it going while reducing the cost
- To this end, effective 1<sup>st</sup> March 2009, the fleet which previously consisted of 2 aircraft (a 19-seater B1900D and a 10-seater Cessna C208), was reduced to one Beech 1900 aircraft.
- At the same time, the geographical area of operation was reduced and covers Guinea, Liberia and Sierra Leone leaving out Ivory Coast.
- The Beech 1900 aircraft had been shared with the ICRC (twice a week) since 1<sup>st</sup> December 2008 in an effort to reduce costs and make more efficient use of aircraft.
- This sharing agreement ended on 30<sup>th</sup> September 2009, due to scaling down of ICRC activities and budget constraints in the region, putting an even greater pressure of scarce WFP resources to continue UNHAS service in the region

- The Beech 1900 aircraft was replaced by Let 410 (17-seater) in late October 2009 and at the same time, the operating base was moved from Roberts International Airport to the more convenient and closer Spriggs Payne Airfield in the heart of Monrovia
- From the 1<sup>st</sup> June 2009, UNHAS successfully implemented a user booking fee of US\$50 per booking for internal flights (one way) and US\$100 per booking for international flights (one way) to promote discipline and reduce the number of no shows. This action has had a positive (even though nominal) financial effect, increased the efficiency and Users' discipline, as the number of no-shows was significantly reduced
- User Group Committees (UGC's) exist in the four WAC countries. The main purpose of the UGC is to provide feedback on humanitarian needs and quality of services provided by UNHAS.
- The UGC was initiated in principle as a means of direct involvement and participation of humanitarian and donor community for an inclusive approach and ensures that UNHAS is delivering the required level of services, destinations and frequencies based on prevailing situation on the ground

#### 3.2.5.4. Outcomes

- WFP UNHAS remains a vital common service to humanitarian organizations in the WAC region.
- Poor road infrastructure, continued lack of safe, secure and reliable commercial air transport and internal capacities to support general aviation have made it absolutely necessary for the continued humanitarian air operations in the WAC region.
- UNHAS remain critical in facilitating timely access to programme sites and enhancing humanitarian coordination amongst the various humanitarian agencies and donors, thereby ensuring efficient management, implementation and monitoring of programmes.

#### 3.2.5.5. Sustainability and Capacity Development

- While this air operation is not self-sustainable, it contributes directly to the sustainability of the programs in the region by ensuring access for staff and transportation of urgently required commodities, such as medical supplies.
- It is expected that improvements on the ground in all three WAC countries, including but not limited to security situation, extremely poor roads and safe, secure and reliable commercial air operators, will create conditions in which it would be safe and justifiable for WFP to discontinue this humanitarian air service.

#### 3.2.5.6. Input

- Resource Inputs from Donors, Government and Partners: WFP UNHAS in the WAC Region has been made possible through consistent generosity of donors.
- However, uncertainty and deferred planning and commitment of donors' contributions have, to a certain extent, made planning and sustainability of this operation fragile and difficult.

#### 3.2.5.7. Management

- The WFP operated Humanitarian Air Services provide a common service to some 250 different organizations in four WAC countries, including NGOs (56%), UN agencies (31%), Donors and Diplomatic (7%), and Government and Others (6%)
- Some NGOs have specific and restrictive organizational policies which prevent them from using air services provided by Armed Force and UN Department of Peacekeeping Operations (DPKO). Thus, the only safe and reliable option for such NGOs is to use UNHAS
- As mentioned above, in 2004 WFP established the User Group Committees in each country of operation. The Committee comprises of UN agencies, NGOs and Donor representatives
- The role of the UGC is to establish a forum where Users can provide input and feedback on the way WFP conducts, organizes and manages humanitarian air services in a respective country. The Committee meets once a month or based on users' needs
- The UGC is an important tool and forum of the humanitarian community, to ensure efficient air services
- In Liberia, WFP UNHAS works closely with the United Nations Mission in Liberia (UNMIL) and its Aviation Department in the field of aviation safety and security, flight resources planning, coordination and assistance in case of search and rescue operations, medical evacuations, flight tracking, refurbishment and improvement of physical aviation facilities.

UNHAS Statistics						
Period	Hours Flown	Total PAX	Cargo (mt)	Fuel (litres)	Medevac	Casevac
Jan–Dec 2005	1,971	10,299	124	711,764		
Jan–Dec 2006	2,032	11,541	143	531,772		-
Jan–Dec 2007	1,767	11,541	69	621,208	47	-
Jan–Dec 2008	1,918	12,609	57	691,630	25	-
Jan–Oct 2009	823	4,796	66	333,580	4	-
Users: 57% NGO, 33% UN, 7% donors or diplomatic bodies and 3% for Government agencies, special missions and the media.						

**3.2.6. Roberts International Airport – Monrovia**

Airport Name & Management	Contact Names & Email	Telephone & Fax
<b>Roberts International Airport</b> , Harbel, Margibi County, Liberia	James E. Ebanks – General Manager Email: <a href="mailto:james.e.ebanks@lmco.com">james.e.ebanks@lmco.com</a> Web: <a href="http://www.robertsinternationalairport.com">www.robertsinternationalairport.com</a>	Tel: +231 6 765 125

**3.2.6.1. General Overview**

- Roberts International (RIA) is Liberia's main international airport and is located approximately 56 km from the capital of Monrovia
- The runway of the airport is about 11,000 feet long.
- The airport was built by the United States military during the Second World War as a logistics base.
- Following the end of the war, the airport was transformed into a commercial entity for international carriers.
- The airport is named in honour of Joseph Jenkins Roberts, the first President of Liberia, and is frequently called Robertsville
- As of May 2001 all international commercial air service to Monrovia arrived at Roberts International Airport (RIA)
- There are limited flights to Freetown, Sierra Leone; Conakry, Guinea; Abidjan, Cote d'Ivoire; and Accra, Ghana
- Most airlines do not meet the standards of punctuality, security, or service found in the global north.
- Luggage and passengers undergo inspection prior to boarding.
- Departing flights from Liberia are typically overbooked.
- Local carriers do not always follow published routings or schedules.
- An armed para-military security force provides airport security at Roberts
- Conditions at the airport upon arrival and departure are frequently crowded and chaotic.
- Public transportation to Monrovia is not always available, travellers should make arrangements for a chauffeur through their hotel, employer, or business associates.
- Following the successful completion of two earlier contracts for Navigational Aids Systems, in February 2002 Interface Limited was awarded a contract for the upgrading to ICAO standards of Control Tower Equipment for Roberts International Airport, Republic of Liberia.
- This was the third project awarded to Systems Interface in Liberia and all equipment and services are being donated by the Government of the Republic of China on Taiwan
- It was announced in October 2008 that U.S. carrier Delta Air Lines, as part of a major expansion of its route network in Africa, would begin a once-weekly service between Atlanta, Georgia and Monrovia, via Sal, Cape Verde. After several delays Delta airline announced a re-scheduled of the route for summer 2010 <sup>14</sup>
- On the 1<sup>st</sup> August 2009, Lockheed Martin Global Services signed the contract for the management of Roberts International <sup>15</sup>

Location Details			
Country	Liberia	Latitude	N 06° 14' 01.64" 6.2333789
Province / District	Margibi County	Longitude	W 10° 21' 44.32" -10.362311
Town or City (closest)	Monrovia	Elevation	31 ft (9 m)
Airfield Name	Roberts Intl Airport	International airport	Yes
IATA & ICAO codes	ROB & GLBR	Open from/to (hours)	24 hours / 7 days Administration Monday to Saturday: 0800 – 1600

Link to [Google Map Roberts International Airport](#)

**3.2.6.2. Performance**

The source of the information is from RIA monthly statistics collection from PAX Services. & Flight Operations Dept.

Performance	Year(s) and figures
Total aircraft movements	(2008 – Sep 2009) = 5,158
Total passengers	(2008 – Oct 2009) = 208,064
Current monthly use by Humanitarian flights (UNHAS)	(2008 – Oct 2009) = 1,114

<sup>14</sup> [Delta Airline announcement](#)

<sup>15</sup> [News net publisher announcement of Lockheed Martin Global Services contract on Roberts Int'l Airport management](#)

**3.2.6.3. Cargo Capacity**

Capacity Cargo	Year(s) and figures
Total aircraft movements	(2008 – Sept. 2009) = 1,085
Total capacity of the airport (metric tonnes)	366 mt
Current activity of the airport (metric tonnes)	366 mt
Current monthly use by Humanitarian flights (UNHAS)	2008 – Oct 2009 = 682
Source: RIA monthly statistics collection from Cargo & Flight Operations Department	

**3.2.6.4. Airfield Details**

Airfield Details			
Customs	Yes	JET A-1 fuel	Yes
Immigration	Yes	AVGAS 100	Yes
Terminal Building	Yes	Single Point refuelling	
Passenger Terminal	Yes	Starter Units (press air)	Yes
Cargo Terminal	Yes	Ground Power (mobile)	Yes
Pax transport to airfield	No	Crash Crew	Yes
Control Tower	Yes	Aircraft Support Services	Yes
Weather Facilities	Yes	Latrine Servicing	Yes
Catering Services	No	Fire Fighting	Yes
Base Operating Room	No	Fire Fighting Category (ICAO)	Category: 6
Airport Radar	No	Fire Fighting Equipment	Yes
NDB	Yes	De-icing Equipment	No
VOR	No	IFR Procedures	Yes
ILS	Yes	Runway Lights	Yes
Approach Lights	Yes	Parking Ramp Lighting	Yes

**3.2.6.5. Runways**

Runway 04	
Published length (metres)	11,000 feet (3,353 m)
Usable length (metres)	Landing Distance 11,000 feet (3,353 m) Take-off Distance 11,000 feet (3,353 m)
Width (metres)	150 feet (46 m)
Orientation	031.0
Surface	Asphalt

Runway 22	
Published length (metres)	11,000 feet (3,353 m)
Usable length (metres)	Landing Distance 9,800 feet (2,987 m) Take-off Distance 11,000 feet (3,353 m)
Width (metres)	150 feet (46 m)
Orientation	211.0
Surface	Asphalt

**3.2.6.6. Helicopter Pad(s)**

Helipad	
Present	No
Largest helicopter that can land	Mi-26
Width and Length (metres)	N/A
Surface	Asphalt

**3.2.6.7. Airport Operating Details**

Airport Operating Details		
Max size cargo aircraft that bulk cargo can be offloaded	B-777, B-747, An-124, L-1011, MD-11, DC-10	
Max size cargo aircraft that can be offloaded on a pallet	B-777, B-747, L-1011, MD-11, DC-10	
Total parking size (m <sup>2</sup> )		
Storage capacity (metric tonnes)	366 mt	
Cargo handling equipment	Yes	If yes, specify below
Elevators	Yes	Max. capacity (tons): 21
	Can reach the upper deck of a B747: Yes	
Loading ramps	High Loader, Forklift, Conveyor Belt, Dollies, Clark Tug, Pallet Jack	

**3.2.6.8. Costs – Airfield Charges**

The source of the information is the RIA Operational Manual.

Landing Fee Charges (US\$)					
Aircraft Weight – MTOW (kg)	Landing	Navigation	Parking	Night Landing	Over-Flight
0 – 2,000	26.50	See note below	13.00		LCAA
2,001 – 5,000	2.26		17.00		“
5,001 – 8,000	2.26		17.00		“
8,001 – 17,000	2.48		19.00		“
17,001 – 24,000	2.73		25.00		“
24,001 – 34,000	2.73		25.00		“
34,001 – 55,000	3.00		32.00		“
55,001 – 76,000	3.08		39.00		“
76,001 – 105,000	3.15		44.00		“
105,001 – 160,000	3.22		51.00		“
160,001 – 263,000	3.34		76.00		“
263,001 and over	3.39		89.00		“

The rate for navigation is US\$0.81 per km for aircraft above 5 tons and flat rate of US\$80 for aircraft below 5 tons

Source: RIA Operational Manual

**3.2.6.9. Costs – Aircraft Handling Charges**

Aircraft Weight – MTOW (kg)	Ad-Hoc / US\$	
	Regular Transit US\$	Overnight Transit US\$
< 5,000	159	186
5,001 10,000	240	264
10,001 20,000	544	598
20,001 30,000	683	751
30,001 40,000	760	836
40,001 50,000	835	919
B727 – MD80	966	1,063
B757 – A320	1,534	1,687
Hercules C130 IL76	1,262	1,388
B707 DC8 IL62	1,050	1,295
B767 A310 IL86	1,500	1,750
A330 MD11 DC10	1,730	2,254
B747 B777 AN124	1,978	2,530

Conversion is made from kg's to pounds to calculate Landing Fees and this may be increased due to manpower and equipment usage



**3.2.6.10. Costs - Aircraft Servicing Charges**

All these charges are included in the Handling Fees.

<b>Aircraft Servicing Charges</b>		
<b>Service</b>		<b>Ad-Hoc / US\$</b>
Pallet Handling Charge	Per aircraft	N/A
Cargo	Per kg	\$0.10
Chocks	Per operation	N/A
Stairs	Per unit per hour	\$204
GPU	Per hour	\$128 - \$210
ASU	Per hour	\$92 per start
Loader	Per hour	High Loader \$222
Toilet Service	Per aircraft	\$92 per service
Pushback	Per operation	N/A
Trailer	Per operation	\$30
Traffic Handling	Per operation	N/A
Check-in	Per aircraft	N/A
Documents	Per aircraft	N/A

**3.2.6.11. Costs – Cargo Terminal Charges**

<b>Cost Cargo Terminal Charges</b>	
<b>Import</b>	<b>Rate US\$ / kg</b>
Handling charge per kg	\$0.10
Cold storage fee	\$0.20
Delivery outside normal working hours	Perishable CNMT / URG MAT
Preparation of substitute AOA – Invoice – Receipt	N/A
Storage per kg per day – Grace period? hours	10 day grace period
<b>Export</b>	<b>Rate US\$ / kg</b>
Handling charges – Unpalletized cargo	5% of the freight
International Air Way Bill	\$10 per Airway Bill
Local Air Way Bill	\$10 per Airway Bill
Air Way Bill Amendment - Cancellation	\$10 per Airway Bill
Air Way Bill Documentation	\$10 per Airway Bill
Storage charges per kg per day	\$0.10 per kg x total days

**3.2.6.12. Costs – Air-bridge Charges**

- There are no air-bridges at RIA

**3.2.6.13. Costs – Fuel Services Charges**

- US\$0.30 per US gallon

**3.2.6.14. Security**

<b>Security</b>		
Good	✓Fair	Bad

**3.2.6.15. Storage Facilities**

- The only storage facility is the RIA cargo warehouse which is controlled by RIA and Customs

**3.2.6.16. Ground Handling Companies**

<b>Aircraft Handling</b>	<b>Cargo Handling</b>	<b>Passenger Handling</b>
Roberts International Airport (RIA)	Roberts International Airport (RIA)	Roberts International Airport (RIA)

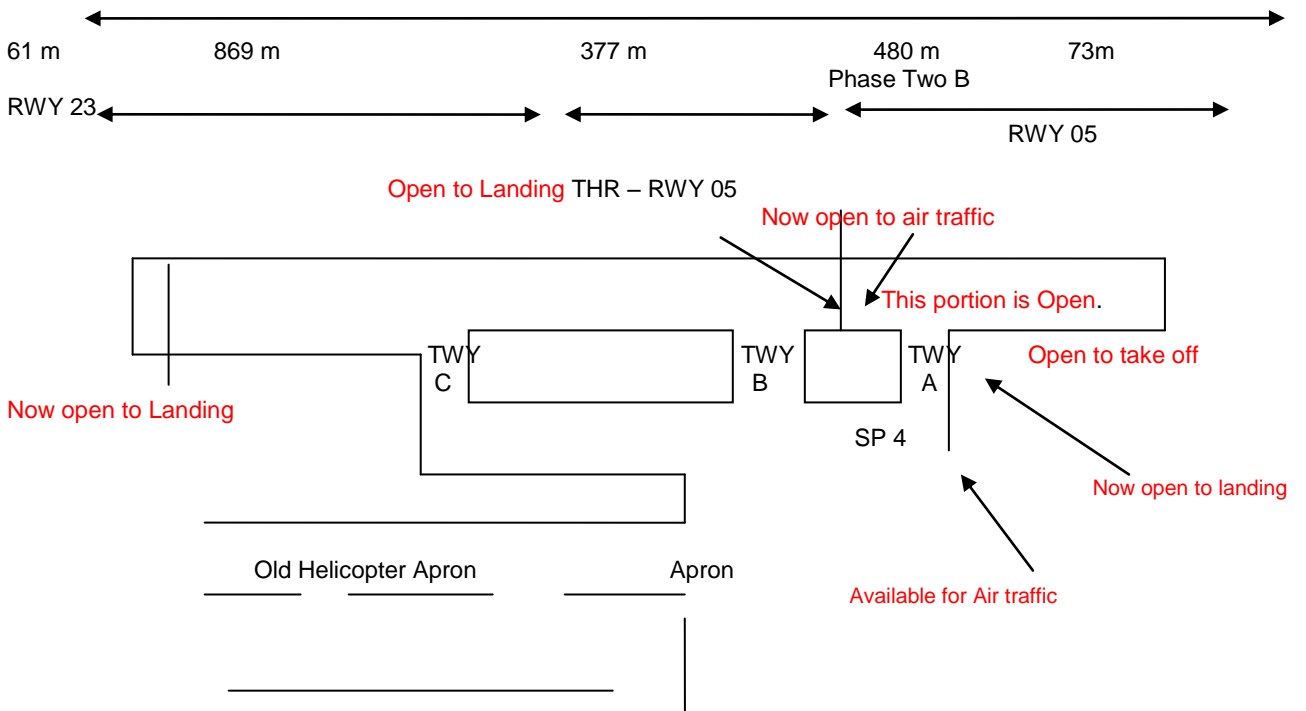
**3.2.7. Spriggs Payne Airport**

Airport Name & Management	Contact Names & Email	Telephone & Fax
<b>Spriggs Payne Airport, Liberia Domestic Airports Agency,</b> James Spriggs Payne Airport, P.O. Box 10-3817, 1000 Monrovia, Liberia	Name: Edna A. Lloyd Title: General Manager Email: <a href="mailto:ldaagency@gmail.com">ldaagency@gmail.com</a> Email: <a href="mailto:diedarll@yahoo.com">diedarll@yahoo.com</a>	Tel: +231 6 517 156 Tel: +231 77 713 277 Fax:

**3.2.7.1. General Overview**

- James Spriggs-Payne Airport is administered by the Liberia Domestic Airport Agency, under the jurisdiction of the Civil Aviation Division of the Ministry of Transport
- This agency manages ten domestic airports around the country prior to the civil war and after
- The runway repair work at Spriggs Payne Airfield was completed in July 2008
- Elysian Airlines is the only commercial airline currently operating at Spriggs Payne Airfield
- Taxiway A is now open between the runway holding point B and the runway. The rest of taxiway A, adjoining the apron and including parking position SP 4, is open to aerodrome traffic. (See diagram below) 1,860 m x 30 m

Airport Contacts		
Name	Title	Telephone & Fax
Miss. Edna Lloyd	Managing Director	+231 6 517 156
Paul Kerkula	Comptroller	+377 4751 5126
John Kollie	Operations Manager	N/A
Roberston K. Geegby	Air Traffic Controller Manager	N/A
David Fomba	Airport Services Manager	N/A
Samuel Jarbee	Meteorology Manager	N/A
J Randall Farngalo	Base Safety Manager	+37747513245
Emmanuel Taplaa	Administrative Assistant	N/A



Location Details			
Country	Liberia	Latitude	N 6° 14' 00.00 –or– 6.2333789
Province / District		Longitude	W 10° 21' 44.00 –or– -10.362311
Town or City (closest)	Monrovia	Elevation	25 ft (8 m)
Airfield Name	Spriggs Payne Regional Airport	International Airport	Yes
IATA & ICAO codes	MLW & GLMR	Operating Hours	Daylight hours only Admin: Mon – Sat, 0800 – 1600

Link to [Google Map Spriggs Payne airport](#)

### 3.2.7.2. Performance

Performance	Year(s) and figures
Total aircraft movements	N/A
Total passengers	N/A
Current monthly use by Humanitarian flights (UNHAS)	N/A

### 3.2.7.3. Cargo Capacity

Capacity Cargo	Year(s) and figures
Total aircraft movements	N/A
Total capacity of the airport (metric tonnes)	N/A
Current activity of the airport (metric tonnes)	N/A
Current monthly use by Humanitarian flights (UNHAS)	N/A

### 3.2.7.4. Airfield Details

AIRFIELD DETAILS			
Customs	Yes	JET A-1 fuel	Yes
Immigration	Yes	AVGAS 100	No
Terminal building	Yes	Single point refuelling	Yes
Passenger terminal	Yes	Starter units (press air)	No
Cargo terminal	Yes	Ground power (mobile)	No
Pax transport to airfield	No	Crash crew	Yes
Control tower	Yes	Aircraft support services	Yes
Weather facilities	Yes	Latrine servicing	No
Catering services	No	Fire fighting	Yes
Base Operating room	Yes	Fire fighting category (ICAO)	Category: N/A
Airport radar	No	Fire fighting equipment	Yes
NDB	Yes	De-icing equipment	No
VOR	No	IFR procedures	Yes
ILS	No	Runway lights	No
Approach lights	No	Parking ramp lighting	Yes

### 3.2.7.5. Runway

Runway 05	
Published length (metres)	6,000 feet (1,829 m)
Usable length (metres)	Landing Distance 5,800 feet (1,768m) Take-off Distance 6,000 feet (1,829m)
Width (metres)	100 feet (30 m)
Orientation	050.0
Surface	Asphalt

Runway 23	
Published length (metres)	6,000 feet (1,829 m)

Usable length (metres)	Landing Distance 5,800 feet (1,768m) Take-off Distance 6,000 feet (1,829m)
Width (metres)	100 feet (30 m)
Orientation	230.0
Surface	Asphalt

### 3.2.7.6. Helicopter Pad(s)

Helipad	
Present	Yes
Largest helicopter that can land	Mi-26
Width and Length (metres)	40 x 40 m
Surface	Asphalt / Laterite

### 3.2.7.7. Airport Operating Details

Airport Operating Details		
Max size cargo aircraft that bulk cargo can be offloaded	ATR-42, DASH-8, DOC-7	
Max size cargo aircraft that can be offloaded on a pallet	ATR-42, DOC-7	
Total parking size (m <sup>2</sup> )		
Storage capacity (metric tonnes)		
Cargo Handling Equipment	Yes	If yes, specify below: Forklift
Elevators	No	Max. capacity (tons):
Loading Ramps	Can reach the upper deck of a B747?: No	

### 3.2.7.8. Costs – Airfield Charges

Landing Fee Charges (US\$)					
Aircraft Weight – MTOW (kg)	Landing	Navigation	Parking	Night Landing	Over-Flight
0 – 2,000	\$26	\$20	\$10	\$20	
2,001 – 5,000	\$55	\$20	\$10	\$20	
5,001 – 8,000	\$88	\$20	\$15	\$20	
8,001 – 17,000	\$150	\$20	\$20	\$20	
17,001 – 24,000	\$158	\$20	\$25	\$20	

### 3.2.7.9. Costs – Aircraft Handling Charges

Aircraft Handling Charges (US\$)	
Aircraft Weight – MTOW (kg)	Ad-Hoc / US\$
< 5,000	\$40
5,001 10,000	\$60
10,001 20,000	\$80
20,001 30,000	\$150
30,001 40,000	\$170
40,001 50,000	\$170

### 3.2.7.10. Costs - Aircraft Servicing Charges

Aircraft Servicing Charges (US\$)		
Service		Ad-Hoc / US\$
Pallet Handling Charge	Per aircraft	\$100 per 30 minutes
Cargo	Per kg	10% of the weight
Chocks	Per operation	\$15
Stairs	Per unit per hour	N/A

GPU	Per hour	N/A
ASU	Per hour	N/A
Loader	Per hour	\$35
Toilet Service	Per aircraft	N/A
Pushback	Per operation	N/A
Trailer	Per operation	N/A
Traffic Handling	Per operation	\$40
Check-in	Per aircraft	N/A
Documents	Per aircraft	N/A

### 3.2.7.11. Costs – Cargo Terminal Charges

COST CARGO TERMINAL CHARGES	
Import	Rate US\$ / kg
Handling charge per kg	10% of weight + \$10
Break bulk fee	5% of weight + \$10
Diplomatic mail	Free
Strong room – per consignment	N/A
Cold storage fee	20% of weight + \$10
Delivery outside normal working hours	N/A
Preparation of substitute AOA – Invoice – Receipt	10 days
Storage per kg per day – Grace period? hours	N/A
Export	Rate US\$ / kg
Handling charges – Unpalletized cargo	10% of weight + \$10
International Air Way Bill	\$20
Local Air Way Bill	\$10
Air Way Bill Amendment - Cancellation	\$10
Air Way Bill Documentation	\$15
Diplomatic Mail	Free
Storage charges per kg per day	Handling charges x Total days

### 3.2.7.12. Costs – Air-bridge Charges

- There are no air-bridges at Spriggs Payne Airport

### 3.2.7.13. Costs – Fuel Services Charges

- Cost is \$3.48 per gallon

### 3.2.7.14. Security

Security		
✓ Good	Marginal	Bad

### 3.2.7.15. Storage Facilities

- There are seven hangars at the Spriggs-Payne airport
- Three are functionally adequate, and the rest are damaged and need repair
- Those in use are the Executive Air Wing, now housing UNMIL Air Operations and the Liberia Air Force (LAF) which is currently the headquarters of Sector II of UNMIL
- The WEASUA Air Transport hangar and that of the LWPC are not functional.
- The main terminal provides offices for both the Aviation Section and MOVCON.
- Most facilities are currently being used by UNMIL.

### 3.2.7.16. Ground Handling Companies

Aircraft Handling	Cargo Handling	Passenger Handling
LDAA - Liberia Domestic Airport Agency	LDAA - Liberia Domestic Airport Agency	LDAA - Liberia Domestic Airport Agency

**3.2.8. National Airports & Airfields**

- Below is a short description of the main airfields in use within the last 6 months, the maximum size aircraft is a Dash-7
- Please see main airport and airstrip Technical survey UNMIL 2009 file for much more information with issues related to approach and landings, security, telecoms, maps and pictures

Location Details: Survey 26 <sup>th</sup> May 2009			
Country	Liberia	Latitude	N 05° 02' 10.00"
Province / District	Sinoe	Longitude	W 09° 03' 08.34"
Town or City (closest)	Greenville 2.5 km	Elevation (ft)	59 feet (18m)
Airfield Name	Greenville Airfield	Surface	Laterite covered with grass
IATA & ICAO codes	GLGE	Condition	Good
Runway Length (m)	1,400 m	Runway Width (m)	30m
Orientation	Approach Both 190 and 010	Lighting	Yes Rotary wings only

Location Details: Survey 6 <sup>th</sup> August 2009			
Country	Liberia	Latitude	N 04° 22' 09.39"
Province / District	Maryland	Longitude	W 07° 41' 06.44"
Town or City (closest)	Harper	Elevation (ft)	39 feet (12m)
Airfield Name	Harper Airfield	Surface	Runway: Laterite Helipads: Concrete
IATA & ICAO codes	GLCP	Condition	Good
Runway Length (m)	1,000 m	Runway Width (m)	30 m
Orientation	<ul style="list-style-type: none"> <li>• Available Runways - 05 and 23</li> <li>• Runway 23: Approaching from the hinterland is not recommended for landing due to towers and rising terrain but recommended for take-off</li> <li>• Runway 05: Near the sea is recommended for landing but not OK for take-off due to masts and rising terrain on departure path</li> <li>• Helicopters are not restricted</li> </ul>		Lighting  Yes, Rotary wings only

Location Details: Survey 1 <sup>st</sup> April 2008			
Country	Liberia	Latitude	N 06° 52' 24.80"
Province / District	Bomi	Longitude	W 10° 50' 02.61"
Town or City (closest)	Tubmanburg	Elevation (ft)	210 feet (64m)
Airfield Name	Tubmanburg Airfield	Surface	Compacted laterite
IATA & ICAO codes		Condition	Well compacted surface
Runway Length (m)	1,100m	Runway Width (m)	30 m
Orientation	190° & 110°	Lighting	Yes, Rotary wings only

Location Details: Survey 13 <sup>th</sup> March 2009			
Country	Liberia	Latitude	N 08° 19' 06.29"
Province / District	Lofa	Longitude	W 09° 46' 09.40"
Town or City (closest)	Voinjama	Elevation (ft)	1,838 feet (560m)
Airfield Name	Voinjama airstrip	Surface	Well compacted laterite
IATA & ICAO codes		Condition	Reduced length due to erosion, over wise good
Runway Length (m)	1,200m, runway was 1,500m but 250m lost due soil erosion along the road crossing the runway	Runway Width (m)	30m
Orientation		Lighting	No

Location Details: Survey 17 <sup>th</sup> April 2009			
Country	Liberia	Latitude	N06 03. 333
Province / District	Grand Gedeh	Longitude	W008 08. 359
Town or City (closest)	Zwedru	Elevation (ft)	702 feet (214m)
Airfield Name	Zwedru (Tchien) Airstrip	Surface	Compacted laterite
IATA & ICAO codes	GLTN	Condition	Good
Runway Length (m)	1,500 m	Runway Width (m)	40 m
Orientation	180° & 360°	Lighting	Yes, Rotary wings only

List of commonly use UNMIL Helipads with coordinates and Aircraft type as well as Visual flight rules (VFR) information

Location	Latitude North	Longitude West	VFR WX Min	Parking space
Barclayville Camp	N04 40.128	W08 14.394	300x3	Aircraft type space: 1x MI-8 VFR WX Mini: 300x3
Barclayville Old Airfield	N04 41.237	W08 14.418	300x3	Aircraft type space: 3x MI-8
Barclayville Strip	N04 40.341	W08 13.603		Aircraft type space: 2x MI-8
Bopolu	N07 03.788	W10 29.521	300x3	Aircraft type space: 1x MI-8
Buchanan	N05 51.336	W10 01.334	300x3	Aircraft type space: 3x MI-8 or 2x MI-26
Buchanan Ghanbatt 9	N05 51.721	W10 02.055	300x3	Aircraft type space: 1x MI-8
Cockerill - Sierra Leone	N08 28.428	W13 16.701	300x3	Aircraft type space: 2x MI-8
Fish Town	N05 12.049	W07 52.536	300x3	Aircraft type space: 1x MI-8
Foya Kamala Camp	N08 22.070	W10 12.269	400x5	Aircraft type space: 2x MI-8
Foya Kamala Field	N08 22.018	W10 12.240	400x5	Aircraft type space: 1x MI-8
Ganta (A)	N07 14.441	W08 58.753	300x3	Aircraft type space: 3x MI-8 or 2x MI-26
Gbarnga Cari Camp1	N06 59.914	W09 33.876	300x3	Aircraft type space: 2x MI-8
Gbarnga Cari Camp2	N07 00.274	W09 33.846	300x3	Aircraft type space: 2x MI-8 or 1x MI-26 N-OPS
Governement Camp	N05 01.972	W08 25.667	300x3	Aircraft type space: 1x MI-8
Greenville (A)	N05 02.100	W09 03.834	300x3	Aircraft type space: All types N-OPS
Harper (A)	N04 22.939	W07 41.644	300x3	Aircraft type space: 2x MI-8 or 1x MI-26 & 1DH7
Harper MI8	N04 22.015	W07 41.691	300x3	Aircraft type space: 1x MI-8 or 1x MI-26 N-OPS
Harper MI-26	N04 22.782	W07 41.712	300x3	Aircraft type space: 1x MI-26 N-OPS
Hotel africa	N06 23.188	W10 48.005	300x3	Aircraft type space: 2x MI-8
Kokoma	N06 40.471	W09 41.266	300x3	Aircraft type space: 1x MI-8
Lac Camp	N06 50.330	W09 44.726		Aircraft type space: 1x MI-8 or 1x MI24
Loguato	N07 15.170	W08 22.215	300x3	Aircraft type space: 1x MI-26
Pleebo	N04 34.129	W07 39.811	300x3	Aircraft type space: 1x MI-8
Roberts International Airport (A)	N06 13.552	W10 13.551	300x3	Aircraft type space: All types N-OPS
River Cess (A)	N05 27.350	W09 35.136	300x3	Aircraft type space: 2x MI-8 & 1x MI-26 N-OPS
Robertsport	N06 45.370	W11 21.407	300x3	Aircraft type space: 1x MI-8 or 1x MI-26
Saglepie (A)	N06 57.837	W08 49.197	300x3	Aircraft type space: 2x MI-8 or 1x MI-26 & 1 Mi-26
Sanniquellie	N07 21.441	W08 42.404	300x3	Aircraft type space: 3x MI-8 or 3x MI-26
Sapo National Park	N05 31.715	W08 38.027		Aircraft type space: 1x MI-8
Sinje new	N06 51.334	W11 09.940	300x3	Aircraft type space: 1x MI-8 N-OPS
Sinoe Airfield (A)	N05 08.733	W08 58.623	300x3	Aircraft type space: 1x MI-8
Spriggs Payne (A)	N06 17.360	W10 46.058	300x3	Aircraft type space: 6 Aircraft, 1 x Dash-7 but no Mi-26
Star Base Helipad	N06 21.270	W10 47.400	300x3	Aircraft type space: 1x MI-8
Tapeta Camp	N06 29.481	W08 50.631	300x3	Aircraft type space: 1x MI-8
Tapeta Stadium	N06 29.922	W08 51.606	300x3	Aircraft type space: 1x MI-8
Tubnanburg (A)	N06 52.248	W10 50.261	300x3	Aircraft type space: All types
Tubnanburg Helipads	N06 51.556	W10 50.042	300x3	Aircraft type space: 1x MI-8

Voinjamam (A)	N08 19.629	W09 46.094	400x5	Aircraft type space: All types N-OPS
Webo - Chara	N04 53.115	W07 37.970	300x3	Aircraft type space: 1x MI-8
Webo (QRF)	N04 51.103	W07 35.900	300x3	Aircraft type space: 1x MI-8
Yekepa-MI26	N07 34.386	W08 31.579	400x5	Aircraft type space: 1x MI-8 or 1x MI-26
Yekepa	N07 34.630	W08 31.949	400x5	Aircraft type space: 1x MI-8
Zorzoro Camp	N07 46.210	W09 25.691	400x5	Aircraft type space: 1x MI-8 or 1x MI-24
Zwedru (A)	N06 04.476	W08 08.165	300x3	Aircraft type space: 3x MI-8 or 1x MI-8& x1 MI-26

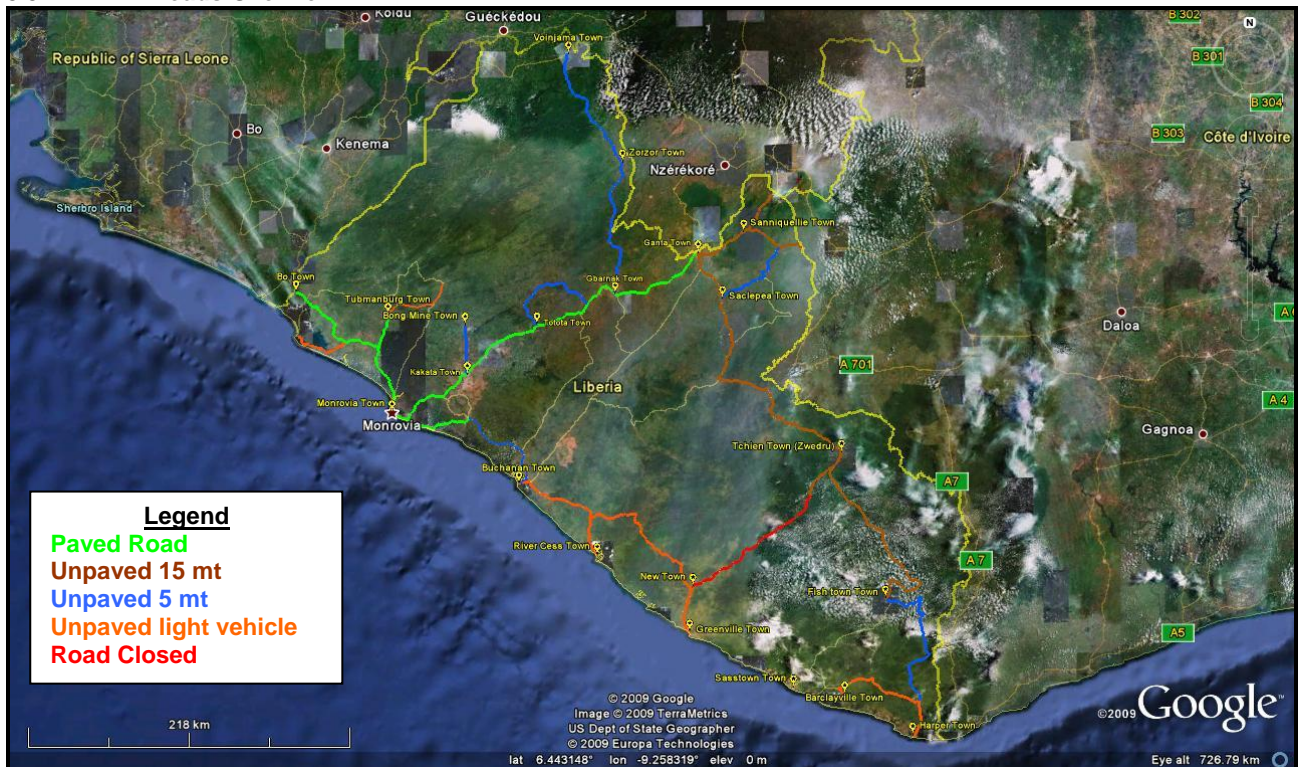
- Information on the [Helicopter Mi-8](#), Information on the [Helicopter Mi-24](#), Information on the [Helicopter Mi-26](#)
- Locations with **(A)** are an Airstrip as well and may have the capacity to receive fixed-wing aircraft
- N-OPS Location may receive night landing, **check with UNMIL Air Operations** see 3.2.4 UNMIL Air Operations Contacts above for contacts
- Contact UNMIL air operation for up to date airport, airfield and helipad surveys



### 3.3. Road Assessment

- The Road Assessment was done during the last part of the rainy season, it so represents the worst condition for roads.
- With 8 months of rain per year, generally poor maintenance and overloaded trucks the roads suffer all year
- Note: UNMIL weight capacity for roads in mt represents access for a military type truck, where generally civilian trucks have more difficulties to pass

#### 3.3.1. Roads Overview



- The road network in Liberia is greatly underdeveloped and among the least developed in West Africa
- Liberia has a total area of 111,370 km<sup>2</sup> and a road system with a total length of 10,600 km
- Of these only 657 km are paved while 9,943 km are unpaved
- There is major deterioration on all highways due to heavy rains and lack of maintenance.
- During the rainy season, most of the roads are inaccessible, particularly in Nimba, Lofa, Sinoe, Baporlu and Maryland counties
- Out of the 10,600 km roads in Liberia less than a quarter are classified as all weather roads
- The country has two main highways: the North-South highway from Monrovia via Kakata to Nimba and the West-East highway from the Sierra Leone Border at Bo Waterside to Buchanan
- Puma, Lion and Leopard roads are asphalt roads
- The other roads are sand or muddy roads
- Most of these roads are affected during the rainy season (May – November) and may not be accessible
- Harper Rhino and Barclayville roads are both damaged and a limitation of 2.5 mt maxi is in place
- Zwedru to Greenville is closed for all UN vehicles during actual maintenance
- As a result of the road condition, some areas of Liberia are not accessible by road.
- The road from Monrovia to Harper is accessible with difficulties during the rainy season.

Major constrains for the road transport are:

- Muddy roads during the raining season
- Restriction on if not lack of proper bridges for water crossing
- Trucks with food get stuck in the mud for days and causing food distribution delays
- Food distribution becomes difficult and expensive in terms of trucking costs

Ministry in Charge	Contact Names & Email	Telephone & Fax
Ministry of Public Works	Name: Email: Web: <a href="http://www.mpw.gov.lr/index.php">www.mpw.gov.lr/index.php</a>	Tel: Tel: Fax:

**3.3.2. Road Construction & Maintenance**

Entity in Charge	Contact Names / Email	Telephone & Fax
China Henan International Corporation Group of Companies (CHICO)	Name: Title: Email: Web: <a href="http://www.c-chico.com/e2/html/index.html">www.c-chico.com/e2/html/index.html</a>	Tel: Fax:

**3.3.3. Road Classification**

Classification	Road Description
Primary Roads	Roads can be paved or unpaved and link major cities in Liberia
Secondary Roads	Unpaved roads link smaller villages to primary roads or link primary roads
Tracks	Generally used by walkers, small motorbikes and sometimes by 4x4

**3.3.4. Road Inventory**

Classification	Administering Agency	Network Length
All roads	Ministry of Public Works	N/A

**3.3.5. Distance Matrix**

See Annex 4-13 Matrix distance time table

**3.3.6. Road Security**

- Road travel in Liberia can be hazardous
- Potholes and poor road surfaces are common, making safe driving extremely challenging
- Cars, trucks, and taxis are often overloaded with people and goods and make frequent stops without signalling
- Drivers overtake on the right as well as the left
- Many vehicles operate with very worn tyres and blowouts are frequent
- Public taxis are poorly maintained
- Intersections must be approached with caution
- The absence of public streetlights makes pedestrians walking in the city streets and those walking on country roads difficult to see at night
- Drivers and pedestrians are cautioned that high-speed car convoys carrying government officials require all other vehicles to pull off the road until they have passed

Security		
Good	Marginal	✓ Bad

**3.3.7. Weighbridges**

- There is no regulation on weighbridges in Liberia

**3.3.8. Axle Load Limits**

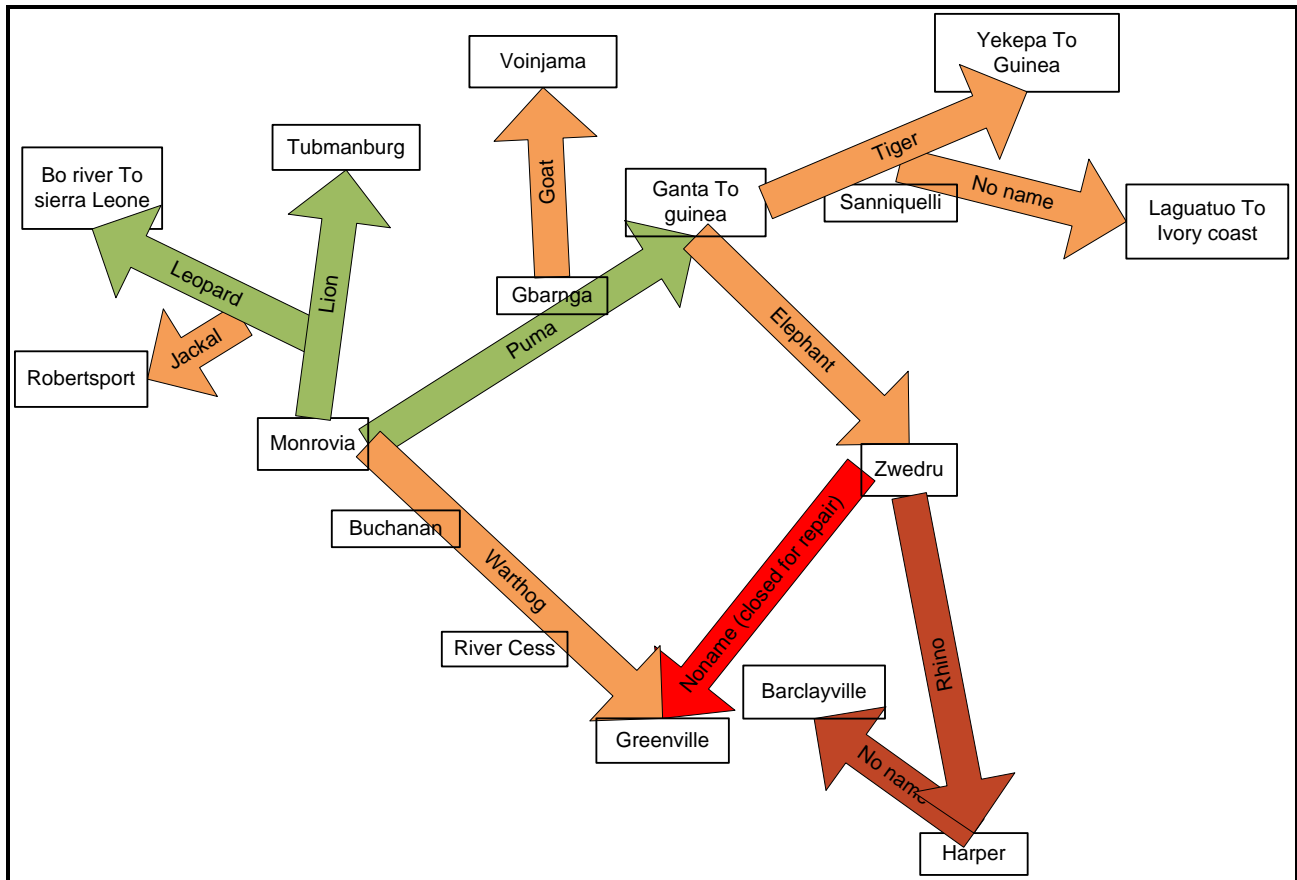
- There is no regulation on Axle Load Limits and overloaded vehicles are common everywhere in Liberia

**3.3.9. Bridges**

- There are too many bridges to be all named in this section
- Bridges in Liberia are one of the numerous bottlenecks for Road Access.
- The major problems with bridges is:
  - An absence of bridges
  - Bridges being too weak for vehicles
  - Bridges damaged resulting in a reduced weight capacity
  - Bridge access is damaged
- See 3.3.12 Main Corridors within below for specific bridges details per corridor.

**3.3.10. Transport Corridors**

Main Corridors in Liberia (UNMIL names)



Liberia Corridors			
Corridor	From	To / via	To
Warthog	Monrovia	Buchanan, River Cess	and Greenville
Lion	Monrovia	Tubmanburg	Bopulu Area
Leopard	Monrovia	Bo River	(via Lion) to <b>Sierra Leone</b>
Jackal	Monrovia	via Lion and Leopard	Robertsport
Puma	Monrovia	Gbarnga and Ganta	to <b>Guinea</b>
Goat	Monrovia	via Puma	Voinjama and Lofa County
Tiger	Monrovia	via Puma to Sanniquelli, Yekepa	to <b>Guinea</b>
Elephant	Monrovia	via Puma	to Zwedru
Rhino	Monrovia	via Puma and Elephant	Harper
Luguatuo	Monrovia	via Puma and Tiger	to <b>Ivory Coast</b>
Barclayville	via Harper	via Puma, Elephant, Rhino	then a damaged road
Zwedru		to Greenville	road is closed

**3.3.11. International Corridors Leading to the Country**

The main entry points are:

- Monrovia via the port
- Bo River via road to Sierra Leone
- Ganta via road to Guinea
- Yekepa via road to Guinea
- Luguotuo via road to Ivory Coast

**3.3.12. Main Corridors within Liberia**

**3.3.12.1. Warthog Corridor**

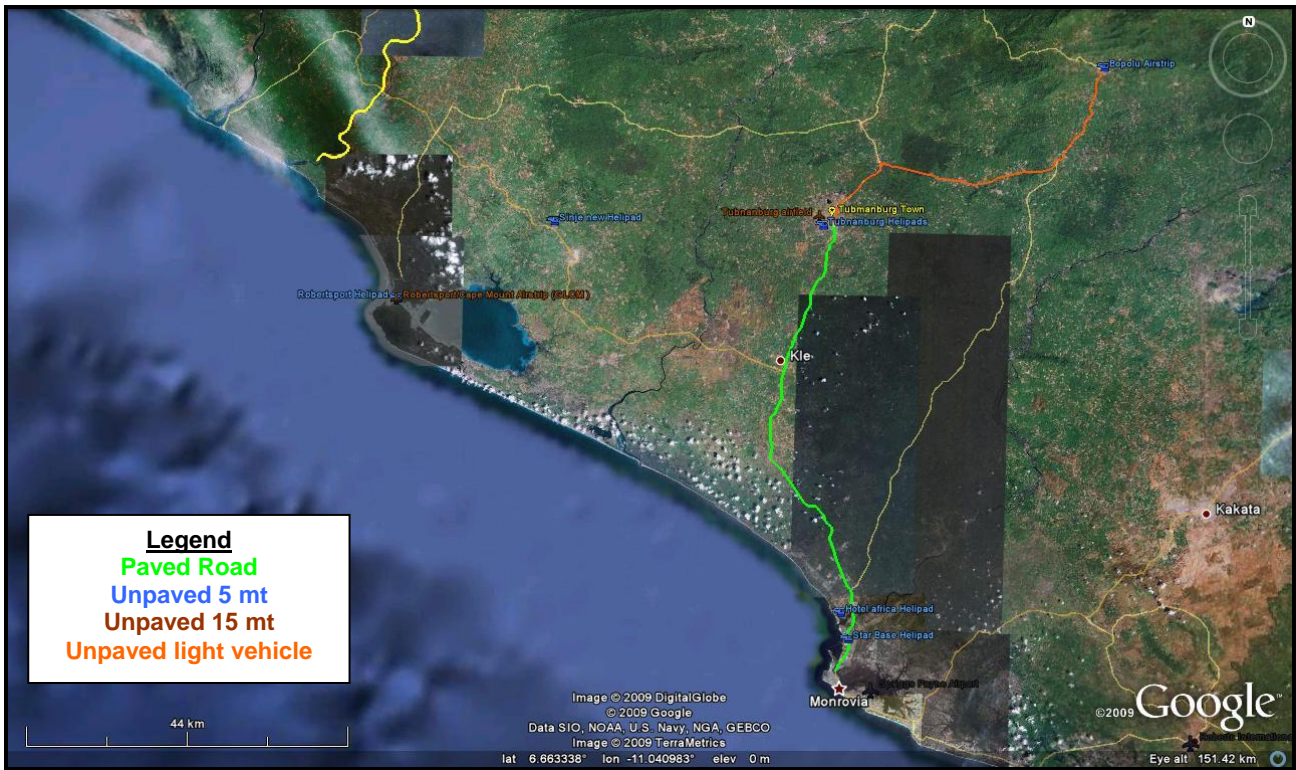
- The Warthog Corridor links Monrovia to Buchanan Town, River Cess (Cesto Town) and Green Ville
- The Monrovia to Buchanan road is paved to Firestone Junction and unpaved after there to Buchanan but is in reasonable condition and trucks carrying 20’ containers can pass.
- Buchanan to River Cess and then Greenville is not in good condition and only 5 mt trucks and lighter vehicles are advised to go there



Name of Road	Distance (km)	Type of Road	Condition of Road Passable by what				Bridges	
			Light	Small Truck	Large Truck	Load Limit	Type and Quantity	Condition
Star Base to Firestone Junction to Roberts International Airport	69	Paved	Yes	Yes	Yes	50	Culverts: 26 Bridges: 2	OK
Firestone Junction to Buchanan	91	Paved	Yes	Yes	Yes	50	Bridges & Culverts: 12 Bailey Bridges: 2	OK
	<ul style="list-style-type: none"> <li>• The damaged culverts are approximately 2km from Buchanan</li> <li>• All vehicles are required to drive and pass slowly and cautiously.</li> </ul>							
Buchanan to River Cess	85	Unpaved	Yes	No	No	5	Bridges & Culverts: 9	OK
	<ul style="list-style-type: none"> <li>• Maintained by MOW</li> </ul>							
River Cess to Greenville	69	Unpaved	Yes	No	No	7	Bridges & Culverts: 15 Bailey Bridges: 2	OK

**3.3.12.2. Lion Corridor**

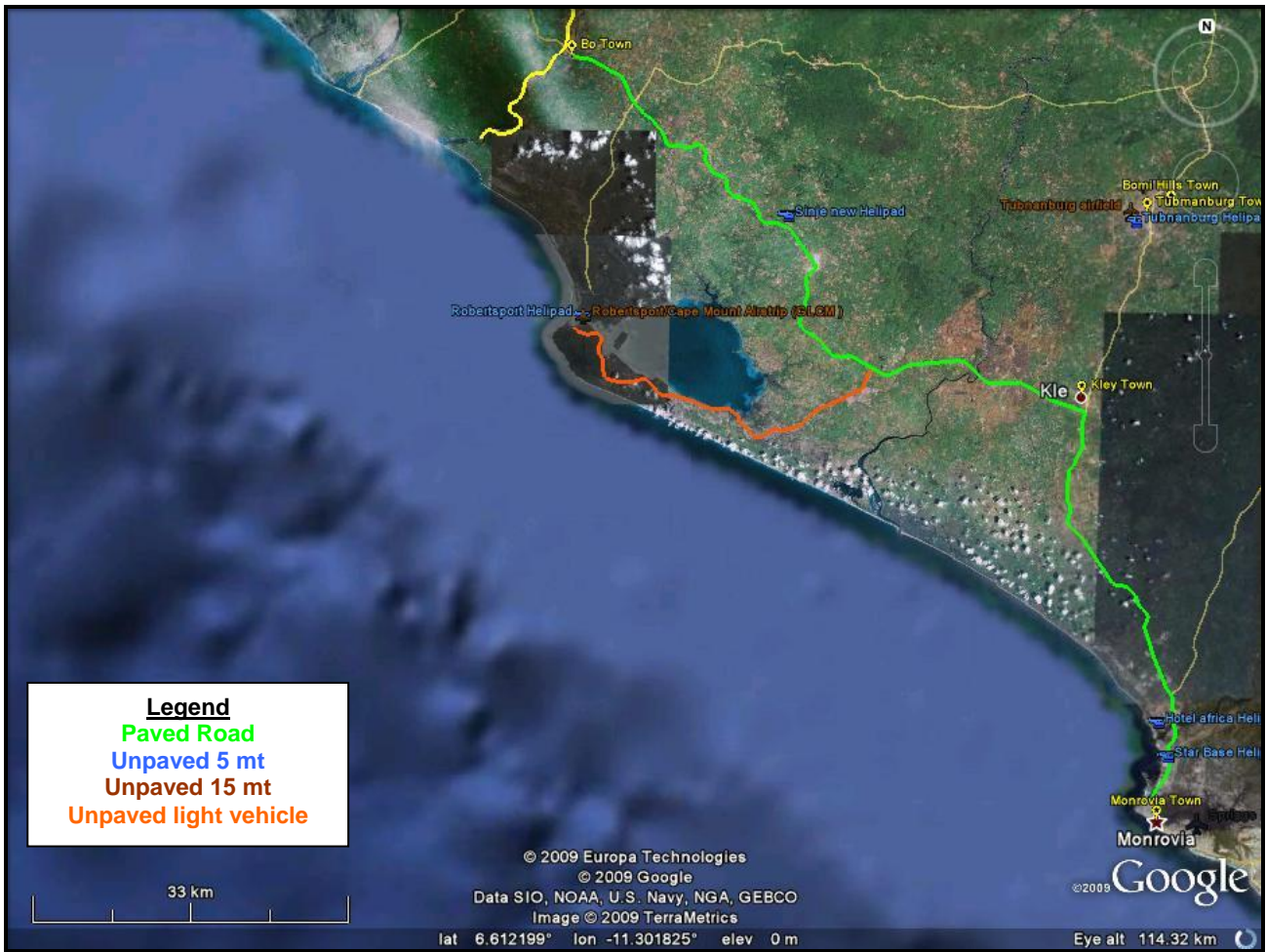
- The Monrovia Road to Tubmanburg is in good condition
- The sector to Bopolu is unpaved in bad condition and only 5 mt trucks can pass with difficulties
- After Bopolu some bridges are destroyed, cutting access to communities



Name of Road	Distance (km)	Type of Road	Condition of Road Passable by what				Bridges	
			Light	Small Truck	Large Truck	Load Limit	Type and Quantity	Condition
Monrovia to Koko Town	25	Paved	Yes	Yes	Yes	50	Bridges: 4 Bailey Bridges: 2 Box Culvert: 1 Steel Pipe Culverts: 3	OK
Koko Town to Tubmanburg	45	Paved	Yes	Yes	Yes	50	Bridges: 4	OK
Tubmanburg to Bopolu	54	Unpaved	Yes	No	No	2.5	Bridges: 10 Timber Bridges: 2 Bailey Bridges: 3	OK

**3.3.12.3. Leopard & Jackal Corridor**

- The Leopard Corridor leads to Sierra Leone, is in good condition and all vehicles can pass
- The Jackal leads to Robertsport and some UNMIL works allows access for up to 9 mt trucks



Name of Road	Distance (km)	Type of Road	Condition of Road Passable by what				Bridges	
			Light	Small Truck	Large Truck	Load Limit	Type and Quantity	Condition
Kley Junction to Madina to Sinje to Bo Water Side	40	Paved	Yes	Yes	Yes	50	Bridges: 10 Culverts: 34	OK
Madina to Roberts Port	80	Unpaved	Yes	No	No	9	Concrete & Metal: 56	OK
<ul style="list-style-type: none"> <li>• The wooden bridges have been replaced with concrete and metal pipe culverts</li> <li>• The load classification on this road has now increased to 9 mt</li> </ul>								

**3.3.12.4. Puma Corridor: Monrovia to Ganta and Guinea**

- This is a key corridor Liberia
- It is mostly paved up to Nbarnga and laterite brick-stones to Ganta and is in reasonable condition
- With the arrival of the worlds largest steel-maker Arcelor Mittal, in Yekepa, the Nbarnga to Ganta road should improve with investment from the company



Name of Road	Distance (km)	Type of Road	Condition of Road Passable by what				Bridges	
			Light	Small Truck	Large Truck	Load Limit	Type and Quantity	Condition
Monrovia to Salala	125	Unpaved	Yes	Yes	Yes	50	Concrete Bridges: 15 Steel Deck Bridge: 1 Culverts: 23	OK
Salala to Gbarnga	81	Paved	Yes	Yes	Yes	50	Bridges: 24	OK
Gbarnga to Ganta	80	Paved	Yes	Yes	Yes	50	Concrete Bridges: 13	OK

**3.3.12.5. Goat Corridor: Voinjama**

- UNMIL report that the sector from Gbarnga to Zorzoro is passable up to 20 mt and from Zorzoro to Voinjama the road is passable up to 40 mt
- Treat this information with caution as conditions are variable and ensure vehicle has 4x4 or 6x6 mode



Name of Road	Distance (km)	Type of Road	Condition of Road Passable by what				Bridges	
			Light	Small Truck	Large Truck	Load Limit	Type and Quantity	Condition
Gbarnga to Zorzoro	104	Unpaved	Yes	Yes	No	20	Large Bridge: 1 Concrete Bridges: 10 Concrete Culverts: 9	OK
Zorzoro to Vainjama	95	Unpaved	Yes	Yes	Yes	40	Concrete Bridges: 13	OK
<ul style="list-style-type: none"> <li>• Road is passable for trucks but caution is advised during heavy rain</li> <li>• There are bad spots along this road beyond the Paul Bridge toward Zorzoro</li> </ul>								



**3.3.12.6. Elephant Corridor: Ganta to Zwedru**

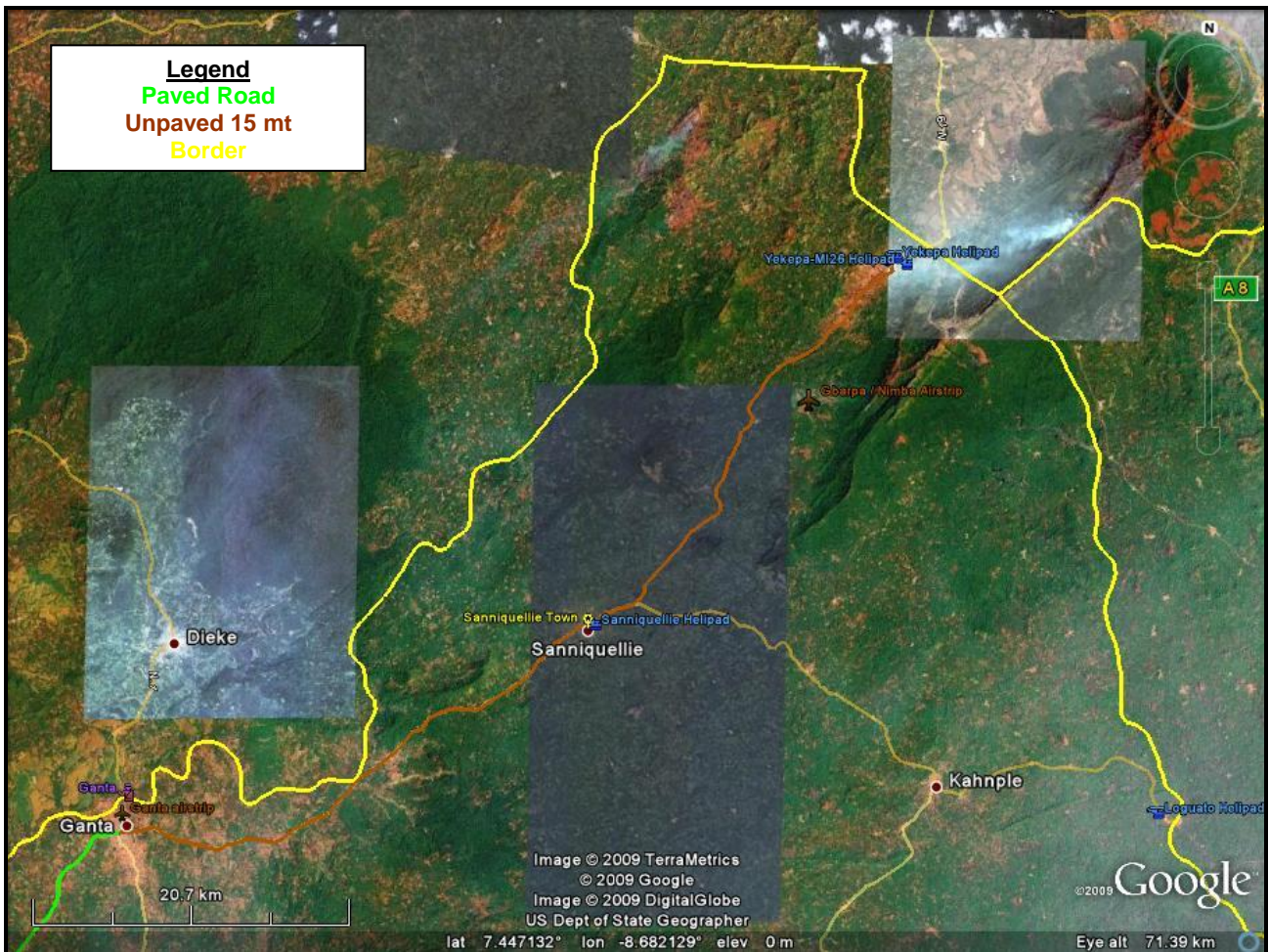
- It is a long way to Zwedru, and it is a difficult road
- UNMIL notes that the load capacity for the road looks very positive compared to reality (WFP report)



Name of Road	Distance (km)	Type of Road	Condition of Road Passable by what				Bridges	
			Light	Small Truck	Large Truck	Load Limit	Type and Quantity	Condition
Ganta to Saclepea	40	Unpaved	Yes	Yes	Yes	50	Steel Decked Bridge: 1 Concrete Bridges: 6 Concrete Culverts: 18 Steel Culverts: 6	OK
<ul style="list-style-type: none"> <li>• The steel bridge at 8.6 km from Ganta Zero Point was repaired with local materials</li> <li>• All drivers are requested to drive slowly when using the bridge to ensure its longevity</li> </ul>								
Saclepea to Tappita	61	Unpaved	Yes	Yes	Yes	50	Concrete Bridges: 11 Concrete Culverts: 73	OK
<ul style="list-style-type: none"> <li>• A section of the road at 40.5 km from Saclepea is badly damaged due to the heavy rain</li> <li>• Recent rainfall has made this section of the road very slippery and risky</li> <li>• A culvert at 57 km from Saclepea is in critical condition</li> <li>• All drivers are requested to drive carefully while crossing the above mentioned points</li> </ul>								
Tappeta - Zwedru	116	Unpaved	Yes	Yes	Yes	50 Bridge capacity 35Mt	Concrete Bridges: 11 Concrete Culverts: 2	OK
<ul style="list-style-type: none"> <li>• The capacity of the road is 50 mt but <b>the bridge limits are only 35 mt</b></li> </ul>								

**3.3.12.7. Tiger Corridor: Ganta to Yekepa and to Guinea**

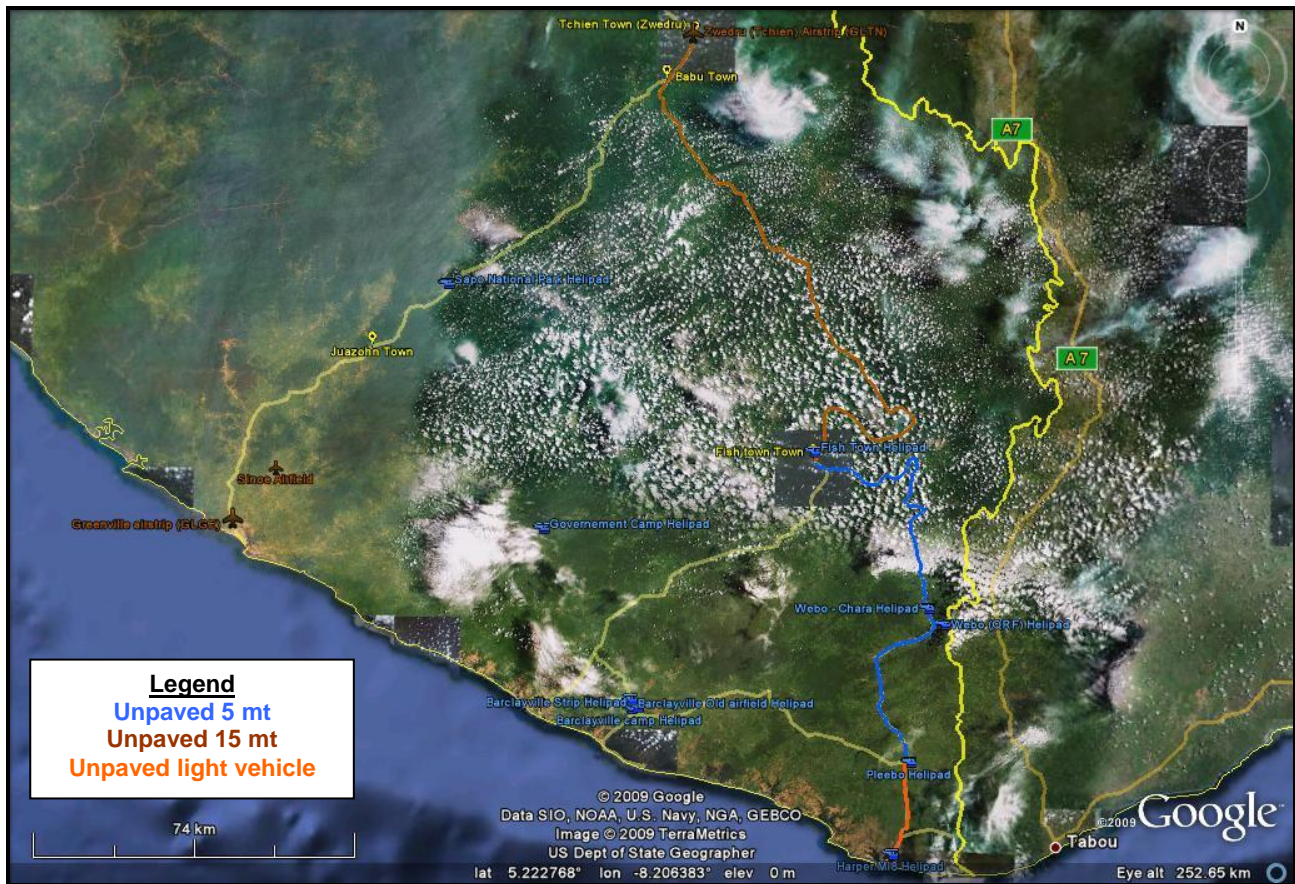
- Due to the worlds largest steel maker, Arcelor Mittal near Yekepa the road should improve with time on the Ganta – Yekepa sector



Name of Road	Distance (km)	Type of Road	Condition of Road Passable by what				Bridges	
			Light	Small Truck	Large Truck	Load Limit	Type and Quantity	Condition
Ganta to Sanniquellie	38	Unpaved	Yes	Yes	Yes	50	Concrete Bridges: 3 Concrete Culverts: 28 Concrete Rail Bridges: 2 Steel Box Culverts: 2	OK
							<ul style="list-style-type: none"> <li>• 18km from Ganta there is a very risky slop where big trucks frequently have trouble</li> <li>• Some repair work has been done but the section needs further repair</li> <li>• All drivers are requested to drive carefully and safely while crossing this point</li> </ul>	
Sanniquellie to Yekepa	36	Unpaved	Yes	Yes	Yes	50	Timber Bridge: 1 Steel Culverts: 3 Concrete Bridges: 1 Concrete Culverts: 11 Concrete Railway Bridge: 1	OK
							<ul style="list-style-type: none"> <li>•</li> </ul>	

**3.3.12.8. Rhino Corridor: Zwedru to Harper Port**

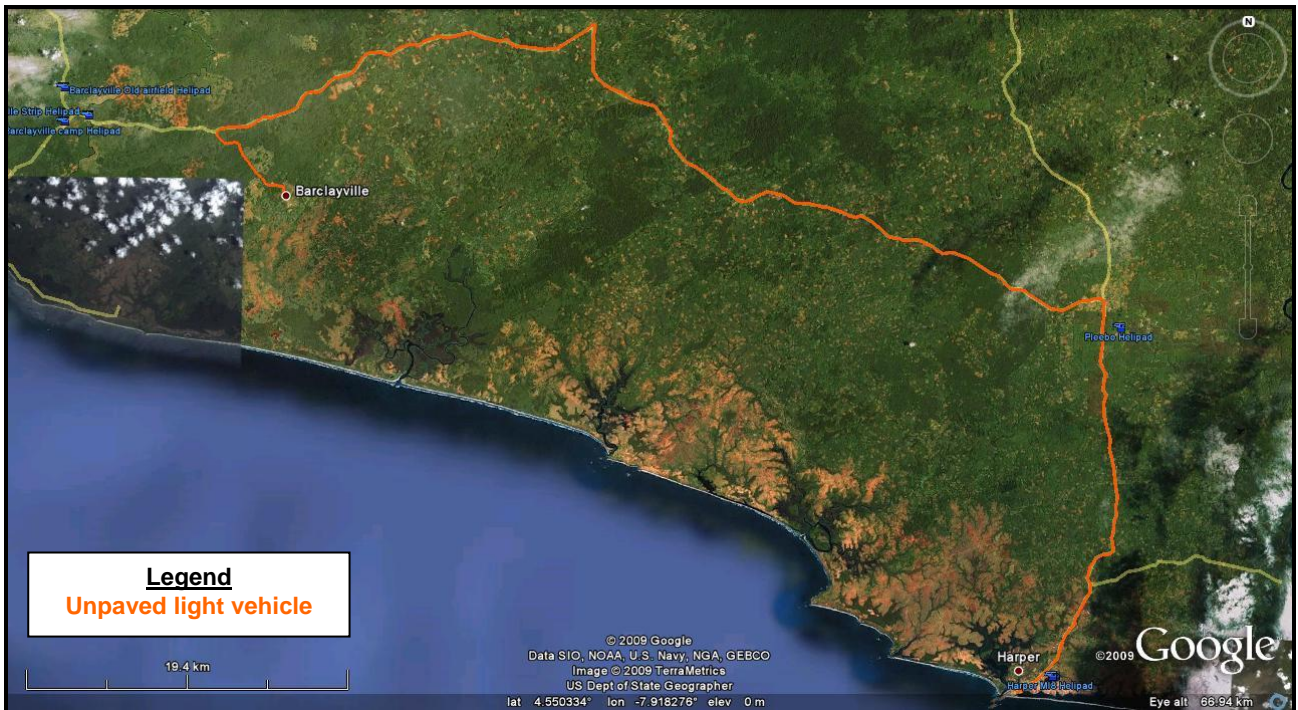
- The road to Harper Port is on of the worst main roads in country
- The load limitation is 2.5 mt
- The Harper to Fish Town section needs improvement to give a better access to River Gee and Maryland that has a total population of about 200,000 people (5% of the total population)



Name of Road	Distance (km)	Type of Road	Condition of Road Passable by what				Bridges	
			Light	Small Truck	Large Truck	Load Limit	Type and Quantity	Condition
Zwedru to Fish Town	136	Unpaved	Yes	Yes	Yes	50 Bridge limit 30Mt	Concrete Bridges: 8 Bailey Bridges: 2 Concrete Culverts: 7 Metal Culverts: 4	OK
<ul style="list-style-type: none"> <li>• The capacity of the road is 50 mt but <b>the bridge limits are only 30 mt</b></li> </ul>								
FishTown to Webo	60	Unpaved	Yes	No	Yes	5	Wooden Bridges: 1 Bailey Bridges: 3	OK
Webo to Pleebo	55	Unpaved	Yes	No	No	2.5	Concrete Bridges: 3 Concrete Culverts: 8	OK
<ul style="list-style-type: none"> <li>• Passable up to 2.5 tons vehicles only.</li> </ul>								
Pleebo to Harper	23	Unpaved	Yes	No	No	9	Concrete Bridges: 2 Concrete Culverts: 1	OK

**3.3.12.9. Harper Port to Barclayville Corridor**

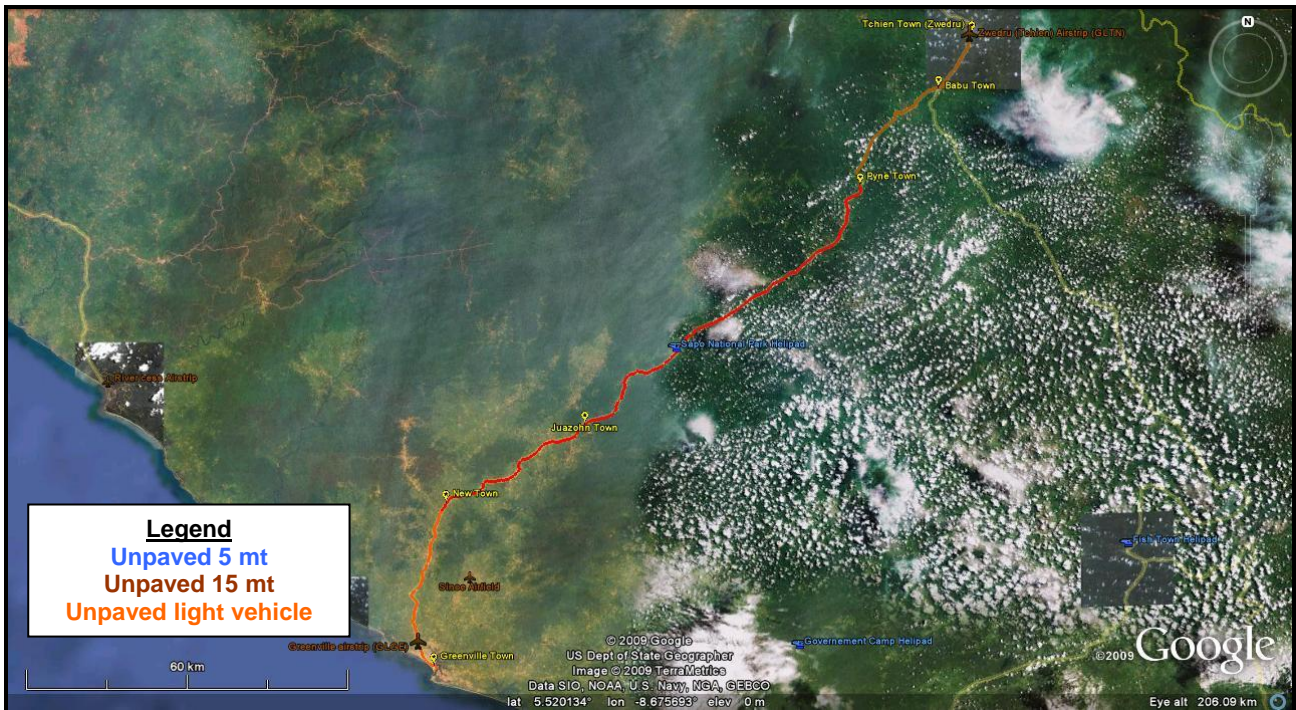
- The road is in poor condition with a maximum weight of 2.5 mt per vehicle



Name of Road	Distance (km)	Type of Road	Condition of Road Passable by what				Bridges	
			Light	Small Truck	Large Truck	Load Limit	Type and Quantity	Condition
Pleebo to Barclayville	53	Unpaved	Yes	No	No	2.5	Composite Bridge: 1 Steel Ramp Bridge: 1 Wooden Bridges: 14	OK
<ul style="list-style-type: none"> <li>Passable up to 2.5 mt vehicles only</li> </ul>								

**3.3.12.10. Zwedru to Greentown Corridor**

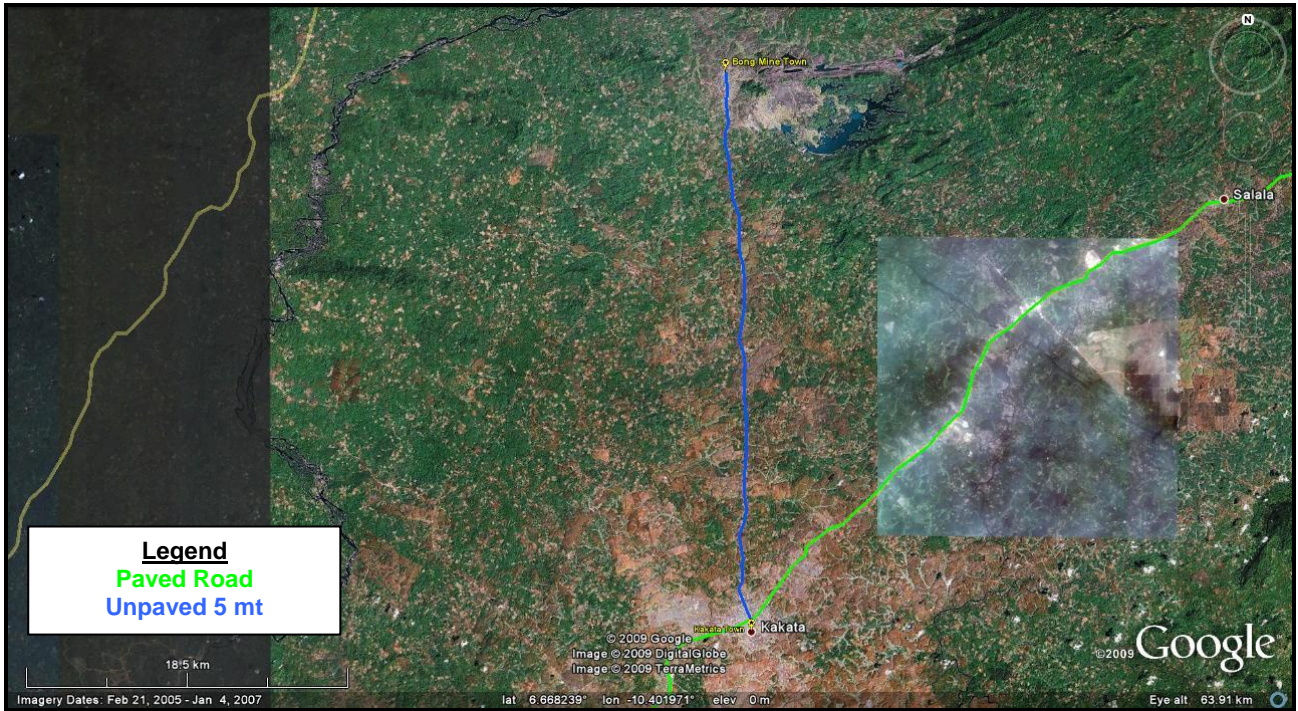
- The Payne Town to New Town section is closed to all UN Vehicles until the repairs of this road are completed



Name of Road	Distance (km)	Type of Road	Condition of Road Passable by what				Bridges	
			Light	Small Truck	Large Truck	Load Limit	Type and Quantity	Condition
Zwedru to Payne Town	50	Unpaved	Yes	Yes	Yes	25	Concrete Bridges: 2 Bailey Bridge: 1 Concrete Culvert: 1	OK
Payne Town to New Town	100	Unpaved	-	-		Road Closed	Bridges: 5	OK
New Town to Greenville	30	Unpaved	Yes	Yes	Yes	25	Culverts: 4	OK

**3.3.12.11. Kakata to Bong Mine**

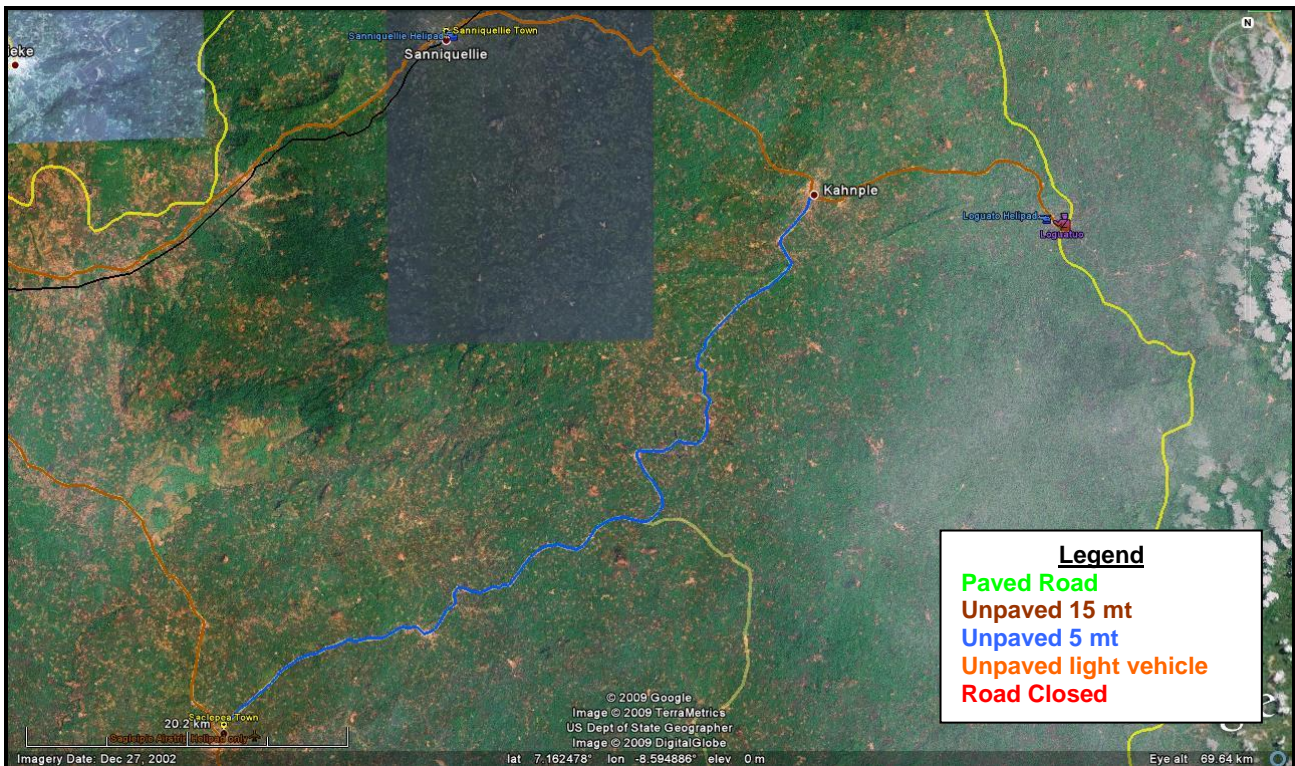
- The Weight Limit to Bong Mine is 5 mt from 33 km



Name of Road	Distance (km)	Type of Road	Condition of Road Passable by what				Bridges	
			Light	Small Truck	Large Truck	Load Limit	Type and Quantity	Condition
Kakata to Bong Mine	33	Unpaved	Yes	Yes	No	5	Bridges: 1 Culverts: 18	OK
•								

**3.3.12.12. Sanniquellie & Saclepa to Loguatu (Ivory Coast)**

- Loguatu is the closest entry to the Ivory Coast from Monrovia, a paved road with a distance of about 355 km
- The now that the worlds largest steel maker, Arcelor Mittal is located to the north of Sanniquellie, near Yekepa, the Ganta – Sanniquellie sector should show improvement



Name of Road	Distance (km)	Type of Road	Condition of Road Passable by what				Bridges	
			Light	Small Truck	Large Truck	Load Limit	Type and Quantity	Condition
Sanniquellie to Loguatu	48	Unpaved	Yes	Passable with difficulties	Passable with difficulties	20	Bailey Bridges: 1 Wooden Culverts: 7 Timber Bridge: 1 Steel Decked Bridges: 1	OK
							<ul style="list-style-type: none"> <li>• At 27, 32 and 35 km from Sanniquellie, sections when wet are slippery and were light vehicles may get stuck</li> <li>• The condition deteriorates each time a large truck is stuck</li> <li>• All drivers are requested to drive carefully and safely while crossing this section</li> </ul>	
Saclepa to Loguatu	79	Unpaved	Yes	Yes	No	3	Steel Bridges: 2 Timber Bridges: 10 Pipe Culvert: 1 Timber Culvert: 1 Concrete Culvert: 1	OK
							<ul style="list-style-type: none"> <li>• Between 4 and 7 km from Saclepa, sections when wet are slippery and light vehicles may get stuck</li> <li>• The road has becoming very slippery on slopes and there is a chance of light vehicles being stuck</li> <li>• All drivers are requested to drive carefully and safely while crossing this section</li> </ul>	

### 3.4. Railway Assessment

#### 3.4.1. Management / Consortium

Entity in Charge	Contact Names & Email	Telephone & Fax
<b>National Iron Ore Company of Liberia (NIOC) Rail Road</b>	Name: Title: Email: Web:	Tel: Fax:
<ul style="list-style-type: none"> <li>Built in 1960, the line consists of 84 km of 1,067 mm gauge rail line connects the mine at Mano River with the Bomi Hill line about 62 km from the Port of Monrovia</li> </ul>		
<b>The Liberian American – Swedish Mineral Company (LAMCO) Rail Road</b>	Name: Title: Email: Web:	Tel: Fax:
<ul style="list-style-type: none"> <li>Built in 1963, LAMCO constructed 266 km standard gauge 1,435 mm from Yekepa to the Port of Buchanan to ship iron ore</li> </ul>		
<b>The Bong Mining Company (BMC) Rail Road</b>	Name: Title: Email: Web:	Tel: Fax:
<ul style="list-style-type: none"> <li>Built in 1964, BMC constructed the 77 km standard gauge line extending from the Bong Mine Range in Bong County to Monrovia</li> </ul>		

#### 3.4.2. Railway Overview

- The limited railway network has more or less was not in operation between 1988 and 2008
- Liberia's railroads are all owned by the country's mining companies, and their 480 km of track were used primarily to transport iron ore to the ports of Monrovia and Buchanan
- In 1989, Liberia had three rail systems owned and operated by foreign steel and financial interests in conjunction with the Liberian Government; one of these, the Lamco Railroad, closed in 1989 after iron ore production ceased
- The other two were shut down by the civil war; large sections of the rail lines have been dismantled; approximately 60 km of railroad track was exported for scrap in 2001
- There are two separate systems, with two lines from Monrovia and one line from Buchanan.

Railway Overview	
Track Gauge	<b>Standard:</b> 345 km 1,435 mm & <b>Narrow:</b> 145 km 1,067 mm
Total Track Distance	490 km (328 km single track)
Port to final point in or close to country (rail)	Monrovia to Bong or Jenje & Buchanan to Nimba
If relevant, form this point to Capital (road)	N/A
Locomotives	N/A
Freight wagons (covered) / size	N/A
Freight wagons (flat bed) / size	N/A

#### 3.4.3. Stations

##### System A

- Gauge: 1,067 mm, Total Length: 145 km (**Currently not in operation**)
- Monrovia, Brewerville, Vonzuahn, Tubmanburg, Mano River, Jenje (railhead)

##### System B

- Gauge: 1,435 mm, Total Length: 78 km (**Currently the only functional line**)
- Monrovia (port and national capital) – Careysburg – Bong (railhead and mine)
- The Bong Mines line runs 80 km from the Bong Mines in Lower Bong County to the Freeport of Monrovia
- The line was used to transport iron ore during the company's operation prior to the war
- The railroad now serves as a major route of transporting goods, particularly farm produce including charcoal from Bong Mines and to over a hundred towns and villages along the line to Monrovia
- There are no roads following the same route, so it is well used<sup>16</sup>

##### System C

- Gauge: 1,435 mm, Total length: 250 km (**Currently not in operation**)
- Buchanan Port, Mehla, Yela, Sanokwelle, Sanniquellie, Yekepa, Nimba, (railhead and Lamco mine)

<sup>16</sup> [www.frontpageafrica.com/newsmanager/anviewer.asp?a=10048](http://www.frontpageafrica.com/newsmanager/anviewer.asp?a=10048) accessed 23<sup>rd</sup> November 2009



**3.4.4. Other Information**

- Though these rail roads are currently not in operation
- The BMC rail road is being partially operated by Geoservices, a Liberian company for transporting goods (scrap metal among other things) from the Bong Mine to Monrovia
- The rail links offer future benefits to Liberia. The former LAMCO railroad cuts the country in half making it a potential distribution artery for the southeast and northeast as well as foster needed development in leeward parts of Liberia
- Currently, the Government of Liberia retains ownership but may grant right to develop, use, operate, and maintain same to the concessionaire

See also the following article where rehabilitation of the railroad is mentioned:

[www.buchananrenewables.com/assets/pdf/Time%20Magazine%20Article.pdf](http://www.buchananrenewables.com/assets/pdf/Time%20Magazine%20Article.pdf)

### **3.5. Waterways Assessment**

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- There has never been an organized national sea or river transport system in Liberia
- This is due primarily to the lack of private investment in this sector
- The hinterland is poorly linked by roads so the development of coastal and river transport and cargo shipments along the coast and the river banks would provide a solution to the lack of roads for trucks and the transport of essential commodities
- The reduction in transportation costs and time in the use of the inland waterways would improve the traffic congestion in Liberia

#### **3.5.1. Waterways Overview**

- There is new water way in use by a company, apart from [One small ferry crossing between Liberia and Ivory Coast on the Cavalla River](#)
- It is the shortest route to link Harper Port in Liberia to Tabou in the Ivory Coast, a distance of about 50 km
- Foya, a district in Guinea is a only a ferry crossing of the river but the exact location is unknown
- Wooden boats along small local rivers are common but too small for to support a logistics pipeline

#### **3.5.2. River and/or Lake Port Assessment**

- N/A

### 3.6. Storage Assessment

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#### 3.6.1. Storage Overview

- Most storage facilities are located in the Freeport of Monrovia
- Most are owned by the National Port Authority (NPA) and also some by private companies such as Firestone
- For available storage space the NPA should be contacted if there is space available or advise on which private company to use within the Freeport of Monrovia
- Most warehouses in the Freeport of Monrovia are badly damaged after the war and are in need of rehabilitation
- The total capacity of the warehouses in the Freeport of Monrovia is 55,611 m<sup>2</sup> <sup>17</sup>

#### 3.6.2. Storage used by WFP

Location	Organisation	Sharing Possibility	Capacity mt / m <sup>2</sup> / m <sup>3</sup>	Type	Access	Condition
Freeport of Monrovia	WFP	Yes	14,084 m <sup>2</sup>	Concrete, rubble, container	Flat (road)	Intact

#### 3.6.3. Cold Chain

- No commercial cold chain possibilities were found during the process of this LCA
- The Freeport of Monrovia has some available locations for plugging refrigerated containers, but these are occupied most of the time or not functional

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<sup>17</sup> LCA November 2007

### 3.7. Milling Assessment

#### 3.7.1. Milling Overview

- During the work of this LCA one flour mill in the greater Monrovia was identified
- This is most likely the only existing one

#### 3.7.2. Miller Company: Premier Milling Cooperation

##### 3.7.2.1. Description

Company Name & Address	Contact Names & Email	Telephone & Fax
<b>Premier Milling Cooperation,</b> Somalia Drive, Bushrod Island, Monrovia, Liberia	Name: Elie E. Jaleeby Title: President & CEO Email: <a href="mailto:premiermillingrl@yahoo.com">premiermillingrl@yahoo.com</a>	Tel: +231 6 814 393 Tel: +231 6 551 666 Fax:
Summary of Role and Services: Flour production		

Facilities				
Parking area inside compound	Yes			
Drainage	✓ Good	Fair	Poor	Non existent
Fire fighting equipment	Yes – Liberia Fire Safety Authority, Certificate N° 1180			
No of ventilators	“The design does not require ventilators”			
Electricity load (KVA)	Generator powered – 530 KVA			
Backup generator	Yes	630 KVA	Brand – Age: N/A	

Milling Equipment			
Origin of Machinery	Year of Manufacture	Year of Installation	Condition
Hebi Huang Food Machinery Company, China	N/A	Jan 2009	Good

Maintenance
Is according to Mr Jaleeby the equipment is easy to maintain

Other Equipment or Machinery installed					
Type of Equipment	Yes/No	Quantity	Owned	Leased	To be supplied by client
Fortification Feeder	Yes	1	Yes	-	-
Bagging Plant	Yes	1	Yes	-	-
Moisture Tester	Yes	1	Yes	-	-
De-stoning Plant	Yes	1	Yes	-	-
Metal Extractor	Yes	1	Yes	-	-

Staffing	
Number of staff	Regular staff of 85 and any additional labour will be hired daily

Weighbridge
Yes, available.

Building	
Building – Mill	Prefabricated building which came with the machinery itself
Building – Storage	Fixed, concrete building.

Conditions & Cleanliness		
	Outside	Inside
Cracks in walls or roof	No	No
Signs of rodent activity	No	No

Signs of birds entry	No	No	
Damaged gutters/drains	No	No	
Signs of moisture	No	No	
Adjacent Vegetation	✓ No	Cut	Uncut
Cleanliness	Good	✓ Fair	Poor

Pest Control (how and by whom)	
Fumigation, Spraying & Rodent Control	Premises are sprayed twice / week. Every weekend a fumigation tablet is released in the warehouse when there is no staff present

Security			
Security	✓ Good	Marginal	Bad
Compound	✓ Wall, barbed wire	Not fenced	

Access		
Distance from main town (km)	10	
Travel time if not located in town	20 minutes	
Road condition to Mill	Fair to good	
Road limitation (if any)	Width (m): no limitation	Max. Tonnage: no limitation
Rail connection	No	

Milling capacity (mt)			
Commodities	Daily capacity	Monthly activity	Monthly use (e.g. WFP)
Other - flour	100	N/A	0

Storage capacity	
Covered storage in metric tons	65,000 bags stacked on pallets equivalent to 3,250 mt
Within the compound	See above
Outside the compound	0

#### 3.7.2.2. Capacity to Blend

- 100 mt/day

#### 3.7.2.3. Loading / Discharge Rates

- Currently the mill sells to five distributors who themselves come to collect the grain at their own cost

#### 3.7.2.4. Transport Capacity at Mill

- The Mill itself has no transport capacity – the distributors come to pick the flour with their own vehicles

## 4. Logistics Related Services

### 4.1. Fuel

- The Liberian Petroleum Refining Company was asked early during the conduct of this LCA to provide information. However, during the weeks they were unable to fulfill this request. Also, in the same manner, Total were asked to provide input regarding their operations in the country, Also they were unable to deliver the requested assistance.

#### 4.1.1. Fuel Overview

Fuel Authority & Address	Contact Names & Email	Tel & Fax	Storage Capacity
<b>Liberia Petroleum Refining Company,</b> P.O. Box 10-0090 1000 Monrovia, Liberia	Name: Alexander K Anderson Title: Product Delivery Manager Email: <a href="mailto:aanderson@lprclib.com">aanderson@lprclib.com</a>	Tel: +231 6 511 415 + 231 77 511 415	Diesel: 4,375,056 L Gasoline: 5,041,638 L Kerosene: 217,476 L
<b>Summary of Role and Services</b>			
<ul style="list-style-type: none"> <li>The Liberia Petroleum Refinery Company authorizes the procurement of fuel by the local importer</li> <li>The product arrives at Free Port of Monrovia and is stored by the Liberia Petroleum Refinery Company</li> <li>Local suppliers then take delivery of the quantity requested from the importer</li> <li>The retailers request the fuel from the local supplier, who receives the fuel at the filling stations</li> <li>Storage at the port is managed by 2 organisations: LPRC and Total</li> </ul>			

#### 4.1.2. Fuel Marketing and Local Distribution

Major Distributor & Address	Contact Names & Email	Telephone & Fax
<b>Total Liberia Inc,</b> P.O. Box 342, Bushrod Island, Monrovia, Liberia	Name: Yves Poupon Title: Operations Manager Email: <a href="mailto:yves.poupon@totalmkt-lr.com">yves.poupon@totalmkt-lr.com</a>	Tel: +231 6 248 332 +231 5 748 988 Fax: +231 77 287 385
<b>Summary of Role and Services</b>		
<ul style="list-style-type: none"> <li>Total will open 8 filling stations outside Monrovia in 2010 – exact locations are unknown</li> <li>Total is also investigating the possibility of having mobile filling stations to serve all the community including humanitarian actors. Total have their own storage capacity in the Freeport of Monrovia</li> </ul>		

Major Distributor & Address	Contact Names & Email	Telephone & Fax
Aminata & Sons	Name: Siaka Toure Title: Manager	Tel: +231 4 730 280 + 231 4 730 187
Conex International	Name: Abdallah Sheriff Title: Manager	Tel: +231 6 932 052
Don-Kan Inc	Name: Sekou Kanneh Title: Manager	Tel: +231 6 518 680
Ducor Petroleum	Name: Amos Brosius Title: Manager	Tel: +231 6 550 838
Gepeco Inc	Name: Namad Jaffar Title: Manager	Tel: +231 6 510 636
International Petroline Inc	Name: Musa Sherif Title: Manager	Tel: +231 6 550 722
LIB-Africa Associates Inc.	Name: Amy Clarke Title: Manager	Tel: +231 6 535 032 + 231 6 558 503
Lomseb	Name: Seku Bility Title: Manager	Tel: +231 6 552 183
Makelland & Sons	Name: Abraham K. Kouyateh Title: Manager	Tel: +231 6 516 697
Monrovia Oil Trading Company (MOTC)	Name: Charles Caron Title: Manager	Tel: +231 6 517 550
Monrovia Petroleum Inc	Name: Ishmael Toure Title: Manager	Tel: +231 6 550 554
OANDO	Name: Felix D. Adekeye Title: Manager	Tel: +231 6 514 792
Petrol-1 Inc	Name: James Daniel Title: Manager	Tel: +231 6 510 247 + 231 6 670 143
Srimex Enterprise	Name: Musa Bility Title: Manager	Tel: +231 6 514 795
United Petroleum	Name: Moses Sekou Title: Manager	Tel: +231 6 440 300
West Oil Investment	Name: Ali Kafel Title: Manager	Tel: +231 6 519 000 + 231 6 510 078

**4.1.3. Humanitarian Fuel Supplies**

Humanitarian Fuel Supplies			
Is it possible for humanitarian organizations to contract directly from local suppliers for its fuel needs?	Yes – (Total)		
	✓ UN	✓ Int'l Org.	✓ NGO

**4.1.4. Fuel Pricing**

Fuel Prices as of: 2 <sup>nd</sup> Dec 2009 (Liberian\$ and US\$)	
Petrol (per litre)	LN\$ 60 or US\$ 0.85
Diesel (per litre)	LN\$ 50 or US\$ 0.70

**4.1.5. Fuel Demand**

Demand			
Does local supply (domestic refinery and imports) meet demand, especially for aviation and ground fuels?	Yes	No	✓ Not consistent
More detailed narrative	LPRC is dependent on the supply from Total to fulfil the needs		

Seasonal Variations		
Indicate significant variations and how this is managed	More difficult in the rainy season to provide regions outside Monrovia with fuel due to bad road conditions.	
Are there national priorities in the availability of fuel?	Yes	✓ No
Is there a rationing system?	Yes	✓ No
Can the local industry expand fuel supply to meet the humanitarian community's needs?	Yes	✓ No
More detailed narrative	At present there is no significant storage capacity in Liberia and many tanks are old, rusty, and not safe	

**4.1.6. Fuel Transportation**

Transportation		
How is internal transportation of fuel products carried out?	Tanker trucks	
Is the transportation infrastructure and fleet sufficient to handle current domestic needs as well as increased demand from Humanitarian community?	Yes	✓ No
More detailed narrative	N/A	

**4.1.7. Standards, Quality and Testing**

Industry Control Measures		
Tanks are protected against water mixing with the fuel	✓ Yes	No
Filters in the system, monitors where fuel is loaded into aircraft	✓ Yes	No
Adequate epoxy coating of tanks on trucks	✓ Yes	No
Presence of suitable fire fighting equipment	Yes	✓ No

Standards Authority		
Is there a national or regional standards authority?	✓ Yes	No
If yes, are the standards adequate/properly enforced?	Adequate	✓ Inadequate

Testing Laboratories		
Are there national or regional testing laboratories?	✓ Yes	No
<b>Address of Laboratory</b>	<b>Standards Used</b>	
LPRC	N/A	
LPRC has own laboratories to carry out relevant tests on all products before receiving the fuel. The following additional measures are put in place for quality control <sup>18</sup>		
<ul style="list-style-type: none"> <li>• No product is received without quality certificate;</li> <li>• Filter units along the discharge line for all grades of products;</li> <li>• "Fine Strainer" to trap impurities and storage tanks have weekly drainage tests</li> </ul>		

<sup>18</sup> Liberia LCA November 2007

## 4.2. Transporters

### 4.2.1. Transport Market Overview (trucking)

- The local transport market in Liberia is centered in Monrovia
- Companies vary in size and there is no standard size company
- Most truck companies are formed as associations or unions
- The local transporters have a good local knowledge of road conditions during the rainy and dry season
- Not all companies operate through out all of Liberia on a regular basis; however this can be negotiated with the local transporters based on the amount to be transported and depending on the destination.
- For security reasons many local transporters use escorts, this is as well as for reconnaissance of the roads

### 4.2.2. Transporters

Transport Company & Address		Contact Names & Email		Telephone & Fax	
<b>Liberian United Trucking Services International (LUTSI)</b> Port of Monrovia, Liberia (close to the WFP office)		Name: Mr. Dinga Dukuly Function: Chairman Email:		Tel: +231 6 513 655 Fax:	
<b>Fleet</b>					
Routes and Areas of operation			Standard indicative price from Monrovia (US\$/mt)		
Tubmanburg			24		
Phebe			35		
Buchanan			38		
Saclepea			39		
Voinjama			55		
Montesserado			9		
Margibi			15		
Nimba			65		
Vehicle	Quantity	Capacity per type	Total Capacity	Condition	
DAF	20	15 mt	300 mt	Good	
DAF	15	20 mt	300 mt	Good	
DAF	3	30 mt	90 mt	Good	
Mercedes	2	15 mt	30 mt	Good	
Renault	3	20 mt	60 mt	Good	
Total fleet capacity		43 trucks – 780 mt			

Transport Company & Address		Contact Names & Email		Telephone & Fax	
<b>Link Liberia Inc,</b> Broad & Gurley Streets Monrovia, Liberia		Name: Bill Smith Function: President & CEO Email: <a href="mailto:bsmith1954x@yahoo.com">bsmith1954x@yahoo.com</a>		Tel: +231 6 519 575 +231 7 708 3836 Fax:	
<b>Fleet</b>					
Routes and Areas of operation			Standard indicative price from Monrovia (US\$/mt)		
Zwedru			65		
Harper			150		
Panta Kpai			50		
Vehicle type	Quantity	Capacity per type	Total capacity	Condition	
DAF	5	30 mt	150 mt	Good	
DAF	3	15 mt	45 mt	Good	
DAF	4	20 mt	80 mt	Good	
Mercedes	2	25 mt	50 mt	Good	
Total fleet capacity		14 trucks – 325 mt			



Transport Company & Address		Contact Names & Email		Telephone & Fax	
<b>Konneh Brothers Transport Services, (KBTS)</b> Duala Bushrod Island, Point 4, Monrovia, Liberia		Name: M Sekou B Konneh Function: General Manager Email:		Tel: +231 6 532 266 +231 6 864 479 Fax:	
<b>Fleet</b>					
Routes and Areas of operation			From Monrovia to (cost in US\$/mt)		
Buchanan			US\$ 23.76 – 30.80		
Foya			US\$ 76.14 – 98.70		
Harper			US\$ 135.00 – 175.00		
Margibi			US\$ 12.15 – 15.75		
Montserrado			US\$ 6.75 – 14.00		
Phebe			US\$ 31.86 – 41.30		
River Gee County			US\$ 108.00 – 135.00		
Saclapea			US\$ 51.30 – 66.65		
Sanniquellie			US\$ 51.57 – 66.85		
Sinoe			US\$ 80.00 – 103.60		
Tubmanburg			US\$ 12.42 – 15.75		
Voinjama			US\$ 66.96 – 86.80		
Zwedru			US\$ 81.27 – 105.35		
Vehicle type	Quantity	Capacity per type	Total capacity	Condition	
JAC	3	5 mt	15 mt	Good	
DAF	1	12 mt	12 mt	Good	
DAF	2	15 mt	30 mt	Good	
Renault	1	17 mt	17 mt	Good	
Mack & Iveco	2	25 mt	50 mt	Good	
Total fleet capacity		9 trucks – 74 mt			

Transport Company & Address		Contact Names & Email		Telephone & Fax	
<b>ASG Frasers International Removals</b> Old Road Junction, Sinkor, Monrovia, Liberia		Name: Function: Email: <a href="mailto:operations-liberia@agsmovers.com">operations-liberia@agsmovers.com</a>		Tel: +231 77 218 968 +231 77 003 377 Fax:	
<b>Cargo Express Inc,</b> Monrovia, Liberia		Name: Function: Email: <a href="mailto:carexpresslib@yahoo.com">carexpresslib@yahoo.com</a>		Tel: + 231 6 523 521 Fax:	
<b>West African Cargo Services Inc,</b> Monrovia, Liberia		Name: Function: Email:		Tel: + 231 6 516 390 Fax:	

### 4.3. Vehicle Rental

- Listed are the two major car rental companies in Liberia.
- There are as well other smaller ones but not considered to be reliable, nor with a great variety in vehicles.

Company Name & Address	Contact Names & Email	Telephone & Fax	Vehicle Description																											
<b>City Cars Rental,</b> Corner of Broad and Mechlin Streets, 20 <sup>th</sup> Street Sinkor, Monrovia, Liberia	Name: Title: Email: <a href="mailto:citycarsliberia@yahoo.com">citycarsliberia@yahoo.com</a> Web: <a href="http://citycarsliberia.com/">http://citycarsliberia.com/</a>	Tel: +231 6 847 331 +231 6 676 058	<table border="0"> <thead> <tr> <th><u>Vehicle</u></th> <th colspan="2"><u>Daily Rates</u></th> </tr> <tr> <th colspan="3">Monrovia Countryside</th> </tr> </thead> <tbody> <tr> <td>Sedan</td> <td>\$55</td> <td>Not allowed</td> </tr> <tr> <td>SUV</td> <td>\$90</td> <td>\$200</td> </tr> <tr> <td>4 Runner</td> <td>\$90</td> <td>\$200</td> </tr> <tr> <td>Pick-up</td> <td>\$100</td> <td>\$200</td> </tr> <tr> <td>Sequoia</td> <td>\$150</td> <td>Not allowed</td> </tr> <tr> <td>Pathfinder</td> <td>\$125</td> <td>\$250</td> </tr> <tr> <td>Bus: 14 pax</td> <td>\$150</td> <td>\$250</td> </tr> </tbody> </table> <p>Driver is included in the prices as well as third party insurance.</p>	<u>Vehicle</u>	<u>Daily Rates</u>		Monrovia Countryside			Sedan	\$55	Not allowed	SUV	\$90	\$200	4 Runner	\$90	\$200	Pick-up	\$100	\$200	Sequoia	\$150	Not allowed	Pathfinder	\$125	\$250	Bus: 14 pax	\$150	\$250
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Pathfinder	\$125	\$250																												
Bus: 14 pax	\$150	\$250																												
<b>Avis,</b> Point 4, Bushrod Island, Monrovia  (This is NOT a franchise of "Avis Rent A Car System, LLC")	Name: Jesse Abu Title: Manager Email: <a href="mailto:avis@liberia.com">avis@liberia.com</a> Reservations: <a href="mailto:info@avisliberia.com">info@avisliberia.com</a>	Tel1: +231 6 810 177 Tel2: +231 5 644 723 Web: <a href="http://www.avisliberia.com">www.avisliberia.com</a>	<p>Sedan, Station Wagons, 4x4 SUV's, Toyota Land Cruisers Hard Top, Vans, Pick-ups and Trucks.</p> <p>Driver is included in the prices as well as third party insurance.</p> <p>Prices to go outside Monrovia are more expensive.</p>																											

### 4.4. Taxi Companies

- There are no established taxi companies
- All taxi drivers are independent but registered at the proper local authority
- Using local taxis in the street is NOT advisable

#### 4.5. Shipping Companies

- The only shipping company with their own representation in Monrovia is Maersk Line

Shipping Company	Contact Names & Email	Telephone & Fax
<b>Maersk Line</b> , Free Trade Center, Monrovia, Liberia	Name: Ugo Nwanze Title: Commercial & Ops Manager Email: <a href="mailto:libsalmng@maersk.com">libsalmng@maersk.com</a> Web: <a href="http://www.maerskline.com">www.maerskline.com</a>	Tel: +231 77 360 841
<ul style="list-style-type: none"> <li>Weekly container service from Algeciras, Spain</li> <li>Maersk gives customer 3 to 7 days notice before ship arrival so that customers can initiate customer clearance</li> <li>No freight forwarding or clearance</li> </ul>		
Shipping Company	Contact Names & Email	Telephone & Fax
<b>UMARCO</b> , Clara Town, Bushrod Island, 1000 Monrovia 10, Liberia	Name: Joel Broux Title: Managing Director Email: <a href="mailto:joel.broux@bollore.com">joel.broux@bollore.com</a> Web: <a href="http://www.bollore-africa-logistics.com">www.bollore-africa-logistics.com</a>	Tel: +231 77 579 800 +231 6 742 271 Fax: +231 77 059 636
<p>UMARCO can provide the following services:</p> <ul style="list-style-type: none"> <li>Freight forwarding, Stevedoring, Custom clearance (for air and sea), Shipping arrangements</li> <li>Local agent for Bollore Africa Logistics which operates through out Africa</li> <li>Representing: Grimaldi, SAGA, Bredbox, Afritramp, Delmas, OT Africa Line, SDV, Bridgeway, CMA CGM</li> <li>UMARCO has contact with local metal scrap dealers and scrap rubber dealers</li> </ul> <p><b>Stevedoring Equipment</b></p> <ul style="list-style-type: none"> <li>2 x 45 mt container trucks</li> <li>1 x 7 mt lift</li> <li>1 x 26 mt lift</li> <li>2 trucks with optional trailers</li> <li>8 additional trucks</li> <li>They have a small warehouse consisting of 20 x 20' containers with a total storage capacity of 500 mt</li> <li>Customers include Supreme, UNMIL ESKO, PAE, and more.</li> </ul>		
Company Name & Address	Contact Names & Email	Telephone & Fax
<b>OBT Shipping Ltd</b> , Doe Community, Somalia Drive, Bushrod Island 1000 Monrovia, Liberia	Name: Title: Email: <a href="mailto:lib@obts.dk">lib@obts.dk</a> Web: <a href="http://www.obts.dk">www.obts.dk</a>	Tel: +231 6 590 900 Fax:
Clearing, Stevedoring, Freight Forwarding		

#### 4.6. Freight Forwarding Agents

- There are not many freight forwarding agents in Liberia
- As stated earlier, there is only one shipping company that has office in Liberia
- For road freight forwarders see also the following sections: 4.2.2 and 4.10.2 (4.10.2 also for air)

Name & Address	Contact Names & Email	Telephone & Fax
<b>UMARCO,</b> Clara Town, Bushrod Island, 1000 Monrovia 10, Liberia	Name: Joel Broux Title: Managing Director Email: <a href="mailto:joel.broux@bollore.com">joel.broux@bollore.com</a> Web: <a href="http://www.bollore-africa-logistics.com">www.bollore-africa-logistics.com</a>	Tel: +231 77 579 800 +231 6 742 271 Fax: +231 77 059 636
UMARCO offers the following services: <ul style="list-style-type: none"> <li>• Freight forwarding (sea and air)</li> <li>• Custom clearance (for air and sea)</li> <li>• Stevedoring</li> </ul>		
Name & Address	Contact Names & Email	Telephone & Fax
<b>Safeway Cargo Handling Services</b> 80 Broad Street, Business Incubator Plaza, Monrovia, Liberia	Name: Henry N Brunson Title: General Manager Email: <a href="mailto:hbrunson@safewaycargo.com">hbrunson@safewaycargo.com</a> Web: <a href="http://safewaycargo.com/services.html">http://safewaycargo.com/services.html</a>	Tel: +231 6 511 644 +231 77 511 644
Safeway offers the following services: <ul style="list-style-type: none"> <li>• Courier Services</li> <li>• Cargo Handling</li> <li>• Clearing and forwarding</li> <li>• Shipping agent</li> <li>• Stevedoring</li> <li>• Air and sea freight forwarding</li> <li>• Packing and crating</li> <li>• Inland Transport</li> </ul>		

## 4.7. Electricity & Power

### 4.7.1. Electricity Overview

- The conflict resulted in collateral damage, looting and vandalism of all energy infrastructure, including power plants, substation transmission lines, petrol storage tanks and depots
- Today less than 2% of rural residents and 10% of urban residents have access to electricity produced mainly from private generators at prohibitive costs
- More than 90% of Liberia's population depends on unreliable and inferior sources of energy such as firewood, charcoal, candles, kerosene and palm oil
- The lack of reliable electricity has placed a strain on Liberia's forest resources and restricted growth of enterprise.
- Prior to the war, the total electricity installed capacity of the Liberia Electricity Corporation (LEC) was approximately 191 MW, while that of concessionaires was 212 MW
- Prior to the civil conflict, Liberia had a total installed capacity of over 400 MW, a little over half of which was produced by private concessionaires
- With the ongoing resumption of mining, the demand for power is increasing, starting with Arcelor Mittal's announced requirement of 185 MW
- Therefore there is significant demand for a renewable and reliable hydropower sources
- Excess power from the project will also have an outlet for export earnings through the West Africa Power Pool (WAPP) to the growing markets of Nigeria, Ghana and Ivory Coast
- The organisation responsible for the electricity supply industry is the Liberia Electricity Corporation (LEC)
- LEC was established by the government in 1973 to produce and supply electricity to the whole country, with the responsibility to expand the system to satisfy future demand and power the expansion of industry
- LEC operates two electric power systems, the Monrovia Grid and the Rural Electrification Network
- The Monrovia Grid serves Monrovia and surrounding areas and is the largest of the two power systems.
- The Grid serves 5 of the country's 13 counties and has over 40 000 customers
- The Rural Electrification Network serves the remaining 8 counties with small isolated diesel unit systems
- LEC has indicated that the industry needs US\$100 million of investment both to increase installed capacity (particularly at Mount Coffee) and to extend and upgrade transmission and distribution.
- Liberia has an economic hydro potential of around 1,000 MW
- The civil war, which began in December 1989, as well as misgovernment, has destroyed much of Liberia's economy, especially the infrastructure in and around Monrovia
- A large portion of the LEC generation and distribution infrastructure was damaged or destroyed during the war
- LEC estimates that it will cost more than \$107 million and take over 5 years to repair the entire electricity generation and distribution system

Main Producer & Address	Contact Names & Email	Telephone & Fax
<b>Liberia Electricity Corporation,</b> Waterside, UN Drive Monrovia, Liberia	Name: Harry Juan Title: Managing Director Email: <a href="mailto:ajohnson@libelcorp.com">ajohnson@libelcorp.com</a> Web: <a href="http://libelcorp.com">http://libelcorp.com</a> (not working on 24 <sup>th</sup> Nov 2009 )	Tel: +231 6 653 650 Fax:
<ul style="list-style-type: none"> <li>• Under the authority of Ministry of Lands, Mines &amp; Energy</li> <li>• Joseph Maya: Deputy Managing Director of Technical Services</li> </ul>		
Main Producer & Address	Contact Names & Email	Telephone & Fax
<b>Buchanan Renewables,</b> Buchanan House, Tubman Boulevard, Congo Town, Monrovia, Liberia	Name: Don Durand Title: Chief Operating Officer Email: <a href="mailto:info@buchananrenewables.com">info@buchananrenewables.com</a> Web: <a href="http://www.buchananrenewables.com">www.buchananrenewables.com</a>	Tel: +231 77 79 8 417 Fax:

### 4.7.2. Electricity Generation

- Electricity production 2007: 350 Million kWh <sup>19</sup> (0 import/export)
- Electricity consumption 2007: 325.5 Million kWh

See also the following article where rehabilitation of the electricity is mentioned:

[www.buchananrenewables.com/assets/pdf/Time%20Magazine%20Article.pdf](http://www.buchananrenewables.com/assets/pdf/Time%20Magazine%20Article.pdf)

- Buchanan Renewables Power Group (BRP) will initially establish a 35-megawatt power plant to supply electricity to Monrovia
- The plant will be fuelled with woodchips from non-producing rubber trees provided by Buchanan Renewables Fuel Group. It will be located near Kakata, approximately 50 km from Monrovia

<sup>19</sup> CIA World Factbook: [www.cia.gov/library/publications/the-world-factbook/geos/li.html](http://www.cia.gov/library/publications/the-world-factbook/geos/li.html) accessed 20<sup>th</sup> Nov 2009

- LEC is to embark on its expansion scheme with the arrival and subsequent placement at various sub-stations of four 10 MV transformers
- The transformers are a part of the EU funded Monrovia grid rehabilitation project being implemented by ELTEL Networks AB.
- In addition to the arrival of the transformers, ELTEL has been rebuilding 27 km of 66/22 kV transmission and distribution lines from Bushrod Island through Vai Town to central Monrovia, parts of Paynesville and in Gardnersville. This will increase the distribution network from 12 km to 45 km <sup>20</sup>

Former Electricity Installations			
Bellefani (Hydro Power Station)	Gbarnga (Other Power Station)	Kolba City (Other Power Station)	Sanniquele (Other Power Station)
Bushrod (Diesel Power Station)	Gompa City (Other Power Station)	Mount Coffee (Hydro Power Station)	Voinjama (Other Power Station)
Bushrod (Gas Turbine Power Station)	Greenville (Other Power Station)	River Cess (Other Power Station)	Zorzor (Hydro Power Station)
Foya (Hydro Power Station)	Harper (Other Power Station)	Robertsport (Hydro Power Station)	Zwedru (Other Power Station)

#### 4.7.3. Supply

Power Stability	
Power grid / network coverage	Parts of Monrovia only
Is supply regular and constant throughout the country?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Please describe	Under reconstruction, see above
On average, how often does power supply go out?	N/A
On average, how long does the outage last?	N/A

<sup>20</sup> "New Democrat", last page 12<sup>th</sup> Nov 2009

**4.8. Manual Labour Costs**

Type of labour	Price in US\$ per day as of November 2009
Daily general worker (unskilled casual worker)	5
Daily general worker (semi-skilled)	6 – 7
Skilled labour	Usually on a contract bid basis at about \$8

## 4.9. Telecommunications

### 4.9.1. Overview

Telephone services		
Is there a landline telephone network?	Yes	✓ No
Does it allow reliable international calls?	Yes	✓ No
On average length of downtime periods for landline connections	The old land line system is not working although some sources say Liberia has 2,000 landlines <sup>21</sup> , however it is best assume that the land lines will not work anywhere in Liberia.	
Is there a mobile phone network?	✓ Yes	No
Estimated availability and coverage	Coverage in Monrovia is very good but as you get further into the country the coverage gets worse.	
Procedure to obtain subscription	SIM cards and scratch cards are available on the market at approx. US\$ 5, this is more reliable than land lines	

Internet Services Providers			
Are there ISPs available?	✓ Yes	No	
Main Providers	Cellcom, Libercell, COMIUM icom.net,		
Types available	Dial-up	ADSL	✓ GPRS ✓ V-SAT
Maximum leasable 'dedicated' bandwidth	< 256 kb		
Estimated availability and coverage	This varies from company to company		
Procedure to obtain subscription	Pass any ISP service center. SIM-cards and top-up cards are available through out Monrovia.		

### 4.9.2. Providers

Company Name & Address	Contact Names & Email	Telephone & Fax
<b>Lone Star Cell Communications,</b> LBDI Building, Congo Town Monrovia, Liberia	Name: Title: Email: <a href="mailto:cio@lonestarcell.com">cio@lonestarcell.com</a> Web: <a href="http://www.lonestarcell.com/">www.lonestarcell.com/</a>	Tel: +231 6 500 444 Fax: Website:
Services: Mobile phone		
<b>Cellcom Telecommunications,</b>	Name: Title: Email: <a href="mailto:cellcom@cellcomgsm.com">cellcom@cellcomgsm.com</a> Web:	Tel: +231 77 000 100 Fax: +231 77 000 101
Services: Mobile phone, Internet		
<b>Comium Communications,</b> Comium Building, Congo Town Monrovia, Liberia	Name: Title: Email: <a href="mailto:info@comium.com.lr">info@comium.com.lr</a> Web: <a href="http://www.comium.com.lr">www.comium.com.lr</a>	Support: +231 5 600 645 Tel: + 231 5 600 661 Fax: +231 5 600 611
Services: Mobile phone, Internet		
<b>Libercell</b>	Name: Title: Email: <a href="mailto:info@libercell.info">info@libercell.info</a> Web: <a href="http://libercell.info/">http://libercell.info/</a>	Tel: +231 4 777 444 Fax:
Services: Mobile phone, Internet		
<b>Nas Interglobal Liberia,</b> 96 UN Drive, Mamba Point, Monrovia, Liberia	Name: Philip Parker Title: Email:	Tel: +231 6 512 416
Services: Internet		
<b>Power Tech Inc,</b> Randall Street, Monrovia, Liberia	Name: Rahib Hamdoun Title: General Manager Email:	Tel: +231 5 611 000
Services: Internet provider		

<sup>21</sup> CIA World Factbook, [www.cia.gov/libr](http://www.cia.gov/libr)





Coverage map Libercell <sup>22</sup>

**4.9.3. Telecommunications Regulations**

Regulations		
Regulations on usage or import of:		Regulating Authority
Satellite	✓Yes No	Liberia Telecommunications Authority
HF Radio	✓Yes No	Liberia Telecommunications Authority
UHF / VHF radio (handheld, base or mobile)	✓Yes No	Liberia Telecommunications Authority
UHF / VHF repeaters	✓Yes No	Liberia Telecommunications Authority
VSAT	✓Yes No	Liberia Telecommunications Authority
What are the procedures for the importation of ICT equipment?	This varies depending on the type of the equipment and its value. Contact Liberia Telecommunications Authority for more information.	

- All organizations are expected to secure approval from the Liberia Telecommunication Authority for the use of frequencies and specialized security telecommunication equipment
- At the moment there is a global licence provided to all UN Agencies in Liberia that covers the use of all current frequencies used by UN Agencies in the country

**4.9.4. Existing Humanitarian Telecoms Systems**

NGOs usually have their own VHF, HF, and Internet connection. During this LCA no co/operation between NGOs was identified.

Existing UN Telecommunication Systems						
Organisations →	UNDP	WFP	UNICEF	UNHCR	FAO	UNMIL
VHF frequencies	<ul style="list-style-type: none"> <li>• Frequencies are shared, for channel info contact respective agency</li> <li>• The responsibility for each channel is divided between the different agencies</li> </ul>					Shares 1 channel with UN agencies
HF frequencies	<ul style="list-style-type: none"> <li>• Frequencies are shared, for channel info contact respective agency</li> <li>• The responsibility for each channel is divided between the different agencies</li> </ul>					✓
Repeaters	Shared repeaters					✓
VSAT	✓	✓	✓	✓	✓	✓

- UN agencies in Liberia have their individual repeaters and HF base station and share 4 channels
- However there is a common Inter-Agency security radio network setup and all UN agencies are using common frequencies to communicate. Similarly, each agency has individual VSAT installed to provide internet services
- At the moment all UN Agencies in Monrovia have the possibility of calling other agencies through the interconnected PABX system support by UNMIL
- For a list of NGO radio frequencies contact MSG at [msgliaison@gmail.com](mailto:msgliaison@gmail.com). The Management Steering Group (MSG) is a network of international non-governmental organizations in Liberia

<sup>22</sup> <http://libercell.info/coverage.htm> accessed 14<sup>th</sup> Nov 2009

## 4.10. Local Supplies Market

### 4.10.1. Main Food Suppliers

Company & Address	Contact Names & Email	Telephone & Fax	Food Commodities
	Name: Title: Email:	Tel: Fax: Web:	
	Name: Title: Email:	Tel: Fax: Web:	
	Name: Title: Email:	Tel: Fax: Web:	

### 4.10.2. General Suppliers

Company & Address	Contact Names & Email	Telephone & Fax
<b>SMD International Heavy Equipment,</b> Duala, Bushrod Island Monrovia, Liberia	Name: Shadi H. Darwich Email: <a href="mailto:smdintl@hotmail.com">smdintl@hotmail.com</a> Name: Romeo S. Diggs Title: General Sales Manager Email: <a href="mailto:romeo.d@rmasia.net">romeo.d@rmasia.net</a>	Tel: +231 6 455 080 Fax: Web:
<b>Comments</b> <ul style="list-style-type: none"> <li>Machinery mainly for road construction, but also landscaping, Mining, logging</li> <li>Machinery for daily/weekly/monthly renting (fuel, oil and transportation excluded)</li> <li>Equipment includes bulldozers, front-end loaders, compactors, graders, low bed trucks, dumpers, excavators</li> <li>Generators from 7.5 to 1 500 KVA</li> <li>Can supply delivery, installation and maintenance any where in country.</li> </ul>		
<b>CAT Liberia Equipment Ltd</b> Tweh Farm, Bushrod Island Monrovia, Liberia	Name: Joseph Svedberg Title: Country Manager Email: <a href="mailto:svedberg@liberiaequip.com">svedberg@liberiaequip.com</a>	Tel: +231 77 793 369 Fax: Web:
<b>Comments</b> <ul style="list-style-type: none"> <li>Mainly machinery for road construction but also Mining, power, construction, generators</li> <li>Authorized agent for Atlas Copco, Michelin, Perkins, and Hyster</li> <li>They have a workshop in their yard, spare parts warehouse. Machinery can also be rented.</li> </ul>		
<b>RMA Liberia Ltd</b> Corner of UN Drive and Centre St, 1000 Monrovia 10, Liberia	Name: Title: Email:	Tel: +231 77 952 670 Fax: Web: <a href="http://www.rmagroup.net">www.rmagroup.net</a>
<b>Comments</b> <ul style="list-style-type: none"> <li>Automotive, power, heavy duty equipment, service and capacity building</li> <li>Exclusive distributorship for SDMO Industries <a href="http://www.sdmo.com">www.sdmo.com</a></li> </ul>		
<b>International Associated Services Liberia Inc,</b> Vai Town, adjacent to Eco Bank, Monrovia Liberia	Name: Monzer Issa Title: Operations Manager Email: <a href="mailto:monzer.issa@yahoo.com">monzer.issa@yahoo.com</a> Email: <a href="mailto:whitewave72@yahoo.com">whitewave72@yahoo.com</a>	Tel: +231 6 928 888 Tel: +231 6 531 434 Tel: +231 6 531 435
<b>Comments</b> <ul style="list-style-type: none"> <li>General Supplier</li> </ul>		
<b>Alternative Energy</b>	Name: Mr. Kpoto Title: Manager	Tel1: +231 6 526 509
<b>Comments</b> <ul style="list-style-type: none"> <li>Solar panels</li> </ul>		
<b>LISGIS Customer Centre,</b> Ground Floor, LISGIS Building, 9 <sup>th</sup> Street, Sinkor, Monrovia, Liberia		
<b>Comments</b> <ul style="list-style-type: none"> <li>Maps of Liberia</li> </ul>		
<b>Toyota Reelin</b> Randall Street and/or Bushrod Island, Monrovia, Liberia	Name: Heinz Wachter Title: Email:	Tel: +231 77 887 000 Tel: +231 6 529 201 Fax:
<b>Comments</b> <ul style="list-style-type: none"> <li>Sales, spare parts and maintenance.</li> </ul>		
<b>Cemenco – Liberia Cement Corp</b> Somalia Drive, P.O. Box 150, Monrovia, Liberia	Name: Christine Nimley Title: Sales Manager Email:	Tel: +231 (0) 6 884 090
<b>Comments</b> <ul style="list-style-type: none"> <li>Cement dealer</li> </ul>		

<b>Building Materials Centre (BMC),</b> Capital Bye-Pass, Monrovia, Liberia	Name: Ali A. Kobeissi, Title: Manager Email:	Tel: +231 6 510 402
<b>Comments</b>		
<ul style="list-style-type: none"> <li>• Hardware and building materials</li> </ul>		
<b>Marconi &amp; Company,</b> 41 Randal Street, P.O. Box 10 1177, Monrovia, Liberia	Name: Raji I. Eid Title: General Manager Email:	Tel: +231 6 570 200
<b>Comments</b>		
<ul style="list-style-type: none"> <li>• Electrical supplies</li> </ul>		
<b>National Printers,</b> Carey and Roberts Streets, Monrovia, Liberia	Name: Mark Gallo Email: <a href="mailto:markgallo47@yahoo.com">markgallo47@yahoo.com</a>	Tel: +231 6 511 547 Tel: +231 6 511 545
<b>Comments</b>		
<ul style="list-style-type: none"> <li>• Printing and graphics services</li> </ul>		

**4.11. UN Hospital Information**

<b>UN Hospitals in Liberia</b>		
<b>Sector</b>	<b>Level</b>	<b>Level</b>
Monrovia	Pan African Plaza (PAP) 6 <sup>th</sup> Floor, UNMIL HQ Monrovia, Liberia Tel: +231 5 319 000	Jordmed Level III Hospital, Star Base, Monrovia, Liberia Tel: +231 5 319 000
Zwedru	UNMIL Level 1 Medical Clinic Zwedru, Liberia Tel: +231 6 927 009 Ext: 7449	Chinese Level II Hospital, Zwedru, Liberia Tel: +231 6 465 748, +231 77 784 254
Harper	Senmed Level I, opposite the Detention Center Harper, Liberia Tel: +231 6 992 419 Tel: +231 6 886 986 Ext: 8600 & 8601	Senmed Level II Hospital, Near ATS Stadium and Senbat Motel, Harper, Liberia Tel: +231 6 958 305, +231 6 527 390 Tel: +231 6 527 857, +231 6 526 104 Tel: +231 6 527 397 Ext: 8600 & 8601
Tubmanburg	Pakmed Level I Hospital, Pakbat Compound, Gbarpolu, Liberia	Pakmed Level II Hospital, Tubmanburg, Liberia
Buchanan	Ghanbat Level I Hospital, Loop 1 Mittal Steel Complex, Buchanan, Liberia Tel: +231 6 985 114, +231 6 547 048	
	FPU Nepal Level I Hospital, Loop 2 Mittal Steel Complex, Buchanan, Liberia Tel: +231 5 317 835	
	Government Hospital, Kilby Street, Buchanan, Liberia Tel: +231 6 529 072	
Gbarnga	Banbat Level I Hospital, Camp Charlie, Ganta, Liberia Telephone ext 8020	Level II Hospital, UNMIL Cari Comple, Gbarnga, Liberia Tel: +231 6 888 677 Ext: 7424

#### 4.12. International Courier Services

Company Name & Address	Contact Names & Email	Telephone & Fax
<b>DHL International Liberia Ltd,</b> Old Mandarin Building Broad & Lynch streets Monrovia, Liberia	Name: Kenneth Bedell Title: Sales & Marketing Coordinator Email: <a href="mailto:Kenneth.bedell@dhl.com">Kenneth.bedell@dhl.com</a> Web: <a href="http://www.dhl.com">www.dhl.com</a>	Tel: +231 6 534 161 Tel: +231 77 225 345 Mob: +231 651 3459 Mob: +231 580 2802 Fax: +231 77 013 112
<b>Comments</b>		
<ul style="list-style-type: none"> <li>• Full service in Monrovia, other destinations on request</li> <li>• Collections &amp; deliveries at Gbarnga, Ganta, Yekepa on the 21<sup>st</sup> of every month</li> <li>• Can clear customs for clients</li> <li>• Opening hours 08:00 to 17:00 Mondays to Friday, 08:00 to 14:00 Saturdays</li> </ul>		
<b>FedEx Express,</b> Business Incubator Plaza, 80 Broad Street, P.O. Box 10-5697, 1000 Monrovia 10, Liberia	Name: Richelieu L. Johnson, Sr. Title: Operations Manager Email: <a href="mailto:rjohnson@safewaycargo.com">rjohnson@safewaycargo.com</a> Email: <a href="mailto:rjohnson100@yahoo.com">rjohnson100@yahoo.com</a>	Tel: +231 77 226 611 Mob: +231 666 6022 Web: <a href="http://www.fedex.com">www.fedex.com</a>
<b>Comments</b>		
<ul style="list-style-type: none"> <li>• Full service to Monrovia, other destinations on request</li> <li>• Can clear customs for clients</li> <li>• Opening hours 08:30 to 17:00 Mondays to Friday, 08:30 to 14:40 Saturdays</li> </ul>		

#### 4.13. Airlines to/from Liberia

Airlines Services to & from Liberia		
<b>Elysian Airlines</b>	Name: Title: Email:	Tel: +231 6 444 747 +231 5 444 747 +231 77 444 747 Web: <a href="http://www.elysianairlines.com">www.elysianairlines.com</a>
<b>Serves:</b> Conakry, Banjul, Monrovia, Harper, Freetown		
<b>Ethiopian airlines</b> Maroc Building, 3 <sup>rd</sup> Street, Sinkor, Monrovia, Liberia	Name: Title: Email: <a href="mailto:binetT@ethiopianairlines.com">binetT@ethiopianairlines.com</a>	Tel: +231 6 285 799 Fax: Web: <a href="http://www.ethiopianairlines.com">www.ethiopianairlines.com</a>
<b>Serves:</b> Addis Ababa Working hours: Mon - Fri: 09:00 - 13:00 Sat : 09:00 - 13:00		
<b>Royal Air Maroc,</b>	Name: Title: Email:	Tel: +212 22 489 797 Fax: Web:
<b>Serves:</b> Casablanca		
<b>Brussels Airlines</b>	Name: Title: Email:	Tel: +231 77 346 346 Tel: +231 77 344 344 Web: <a href="http://www.brusselsairlines.com">www.brusselsairlines.com</a>
<b>Serves:</b> Brussels, Abidjan		
<b>Kenya Airways</b>	Name: Title: Email:	Web: <a href="http://www.kenya-airways.com/">www.kenya-airways.com/</a>
<b>Serves:</b> Nairobi		

#### 4.14. Accommodation

The listed hotels are examples of approved UN MOSS compliant hotels, as of 14<sup>th</sup> November 2009

Company Name & Address	Contact Names & Email	Telephone & Fax
<b>Arkade Hotel,</b> 20 <sup>th</sup> Street, Sinkor, Monrovia, Liberia	Name: Title: Email:	Tel: +231 6 894 377 Fax: Web:
<b>Atlantis Guest House,</b> Mamba Point, Monrovia, Liberia	Name: Title: Email:	Tel: +231 6 924 570 Tel: +231 6 510 757 Web: <a href="http://www.liberiabeachhotel.com/">www.liberiabeachhotel.com/</a>
<b>Kailondo Hotel,</b> Congo Town (Old Road), Monrovia, Liberia	Name: Title: Email:	Tel: + 231 6 511409 Web: <a href="http://hotelkailondo.com/about-hotel-kailondo.html">http://hotelkailondo.com/about-hotel-kailondo.html</a>
<b>Mamba Point Hotel,</b> Mamba Point, Monrovia, Liberia	Name: Title: Email:	Tel: +231 6 544 544 Fax: Web: <a href="http://www.mambapointhotel.biz/">www.mambapointhotel.biz/</a>

<b>Moko's Bed &amp; Breakfast,</b> 19 <sup>th</sup> Street Payne Avenue, Monrovia, Liberia	Name: Title: Email: <a href="mailto:mokosbedandbreakfast@yahoo.com">mokosbedandbreakfast@yahoo.com</a>	Tel: +231 6 515 897 Web: <a href="http://www.tlcafrica.com/mokos/mokos.htm">http://www.tlcafrica.com/mokos/mokos.htm</a>
<b>Park Hotel,</b> Carey Street, Monrovia, Liberia	Name: Title: Email:	Tel: +231 6 536 875 Fax: Web:
<b>Provident Hotel,</b> 9 <sup>th</sup> Street, Sinkor, Monrovia, Liberia	Name: Title: Email:	Tel: +231 6 513 572 Fax: Web:
<b>Royal Hotel,</b> 15 <sup>th</sup> Street and Tubman Boulevard, Sinkor, Monrovia, Liberia	Name: Email: <a href="mailto:reservations@royalhotelliberia.com">reservations@royalhotelliberia.com</a>	Tel: +231 7 77 ROYAL Fax: Web: <a href="http://www.royalhotelliberia.com/">www.royalhotelliberia.com/</a>
<b>The Cape Hotel,</b> Mamba Point, Monrovia, Liberia	Name: Title: Email:	Tel: +231 6 518 818 Fax: Web: <a href="http://www.thecapehotel.com.lr/">www.thecapehotel.com.lr/</a>
<b>The Renaissance Hotel,</b> 14 <sup>th</sup> Street, Sinkor, Monrovia, Liberia	Name: Title: Email:	Tel: +231 6 552 200 Web: <a href="http://www.tlcafrica.com/renaissance_hotel.htm">www.tlcafrica.com/renaissance_hotel.htm</a>
<b>Villa Hotel,</b> 20 <sup>th</sup> Street & Tubman Boulevard, Sinkor, Monrovia, Liberia	Name: Title: Email:	Tel: +231 6 790 006 Fax: Web:

The price is in the range of UD\$ 130-175 per night

## 5. Scenarios & Contingencies

The deterioration of the internal situation in Guinea remains a source of immediate concern for the whole region. After the massacre on 28<sup>th</sup> September 2009, and his subsequent assassination attempt, Captain Dadis Camara may be overwhelmed by international pressure and could revert to iron-fist rule, leading to domestic instability and a high level of political uncertainty which can spill over to neighboring countries.



Guinea is divided into eight administrative regions, of which Nzerekore is adjacent to the Liberian counties of Lofa, Bong and Nimba. The Guinea-Liberia border spans an estimated 492 km.

It is not possible to predict the scale of an eventual influx of refugees, which could take place en masse or in a staggered manner. In either event, it will be necessary to provide security, protection, life saving basic services and material assistance to persons who may flee into Liberia.



### Best Case Scenario

There are no events or disruptions leading to the flight of the population in Guinea across Guinea's borders.

### Worst Case Scenario

Massive cross-border flight of population from Guinea due to:

- a- The Government of Guinea is losing control over security forces before the planned elections, which could lead to a protracted power struggle and/or widespread civil disobedience.
- b- The elections are held according to schedule in January 2010, but the result is not accepted leading to widespread political violence and disorder all over the country.

To have a complete overview of the contingency planning for Guinea please read the FINAL GUI CON Plan Version\_Oct. 26, 2009.doc in annexes

## 6. Annexes

### 6.1. Annex 1: Relevant Websites applicable to this LCA

<p><a href="http://www.logcluster.org/ops/sudan/23003/9424/10943/11283/11816">www.logcluster.org/ops/sudan/23003/9424/10943/11283/11816</a>  <a href="http://unMil.org/1content.asp?ccat=civilaffairs&amp;zdoc=1">http://unMil.org/1content.asp?ccat=civilaffairs&amp;zdoc=1</a>  <a href="http://www.obts.dk/">http://www.obts.dk/</a>  <a href="http://www.bollore-africa-logistics.com/en/pages-accueil/default.aspx">http://www.bollore-africa-logistics.com/en/pages-accueil/default.aspx</a>  <a href="http://www.afritramp.eu/afritramp/page.php?pid=193#Monroviafacilities">http://www.afritramp.eu/afritramp/page.php?pid=193#Monroviafacilities</a>  <a href="http://ourliberiatoday.com/">http://ourliberiatoday.com/</a>  <a href="http://www.mbendi.com">http://www.mbendi.com</a>  <a href="http://www.dellbr.ec.europa.eu/en/eu_and_liberia/eu_and_liberia_table.htm">http://www.dellbr.ec.europa.eu/en/eu_and_liberia/eu_and_liberia_table.htm</a>  <a href="http://www.nationalportauthorityliberia.org/npa_about_us.htm">www.nationalportauthorityliberia.org/npa_about_us.htm</a>  <a href="http://www.worldbank.org/liberia">http://www.worldbank.org/liberia</a>  <a href="http://www.buchananrenewables.com/">http://www.buchananrenewables.com/</a>  <a href="http://www.maerskline.com/">http://www.maerskline.com/</a>  <a href="http://www.emansion.gov.lr/">http://www.emansion.gov.lr/</a>  <a href="http://www.newdemocratnews.com/">http://www.newdemocratnews.com/</a>  <a href="http://www.winne.com/liberia/to00.html">http://www.winne.com/liberia/to00.html</a>  <a href="http://www.logcluster.org">http://www.logcluster.org</a>  <a href="https://www.cia.gov/library/publications/the-world-factbook/index.html">https://www.cia.gov/library/publications/the-world-factbook/index.html</a>  <a href="#">National Census 2008 publication may 2009 PDF file</a>  <a href="#">Central Bank of Liberia exchange rate history</a>  <a href="http://www.em-dat.net/disasters/countryprofiles.php">http://www.em-dat.net/disasters/countryprofiles.php</a>  <a href="#">Disaster response contingency plan for Liberia Validated October 2008</a>  <a href="http://www.mof.gov.lr">www.mof.gov.lr</a>  <a href="http://www.mpw.gov.lr/">http://www.mpw.gov.lr/</a>  <a href="http://www.moa.gov.lr/">http://www.moa.gov.lr/</a>  <a href="http://Micat.gov.lr/">http://Micat.gov.lr/</a>  <a href="http://mopea.gov.lr/">http://mopea.gov.lr/</a>  <a href="http://molme.gov.lr/">http://molme.gov.lr/</a>  <a href="http://moys.gov.lr/">http://moys.gov.lr/</a>  <a href="#">Liberia Executive Mansion</a>  <a href="#">Bureau Veritas in Liberia web site</a></p>	<p><a href="http://www.unjlc.org/ImportedObjects/13053/download">www.unjlc.org/ImportedObjects/13053/download</a>  <a href="http://www.britannica.com/EBchecked/topic/82820/Buchanan">www.britannica.com/EBchecked/topic/82820/Buchanan</a>  <a href="http://www.britannica.com/EBchecked/topic/255736/Harper">http://www.britannica.com/EBchecked/topic/255736/Harper</a>  <a href="http://www.otal.com/liberia/index.htm">http://www.otal.com/liberia/index.htm</a>  <a href="http://www.liberiaca.com/">http://www.liberiaca.com/</a>  <a href="#">Delta Airline announcement</a>  <a href="#">News net publisher announcement of Lockheed Martin Global Services contract on Roberts Int' airport management</a>  <a href="http://www.c-chico.com/e2/html/index.html">http://www.c-chico.com/e2/html/index.html</a>  <a href="#">one small ferry crossing between Liberia and Ivory Coast on the Cavalla River.</a>  <a href="http://www.frontpageafrica.com/newsmanager/anmviewer.asp?a=10048">http://www.frontpageafrica.com/newsmanager/anmviewer.asp?a=10048</a>  <a href="http://citycarsliberia.com/">http://citycarsliberia.com/</a>  <a href="http://www.avisliberia.com">www.avisliberia.com</a>  <a href="http://safewaycargo.com/services.html">http://safewaycargo.com/services.html</a>  <a href="http://www.gsmworld.com/roaming/GSM_WorldPoster2009A.pdf">http://www.gsmworld.com/roaming/GSM_WorldPoster2009A.pdf</a>  <a href="http://www.lonestarcell.com/">http://www.lonestarcell.com/</a>  <a href="http://www.coMium.com.lr">www.coMium.com.lr</a>  <a href="http://libercell.info/">http://libercell.info/</a>  <a href="http://www.fedex.com">www.fedex.com</a>  <a href="http://www.dhl.com">www.dhl.com</a>  <a href="http://www.elysianairlines.com">www.elysianairlines.com</a>  <a href="http://www.ethiopianairlines.com">www.ethiopianairlines.com</a>  <a href="http://www.brusselsairlines.com">www.brusselsairlines.com</a>  <a href="http://www.mambapointhotel.biz/">http://www.mambapointhotel.biz/</a>  <a href="http://www.liberiabeachhotel.com/">www.liberiabeachhotel.com/</a>  <a href="http://www.thecapehotel.com.lr/">http://www.thecapehotel.com.lr/</a>  <a href="http://www.royalhotelliberia.com/">http://www.royalhotelliberia.com/</a>  <a href="http://www.tlcafrica.com/mokos/mokos.htm">http://www.tlcafrica.com/mokos/mokos.htm</a>  <a href="http://www.tlcafrica.com/renaissance_hotel.htm">http://www.tlcafrica.com/renaissance_hotel.htm</a>  <a href="http://hotelkailondo.com/about-hotel-kailondo.html">http://hotelkailondo.com/about-hotel-kailondo.html</a>  <a href="http://www.reliefweb.int">http://www.reliefweb.int</a></p>
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### 6.2. Annex 2: Maps

- Google Earth .kmz file illustrating the LCA: this is an interactive map using the free software Google Earth.
- This software can be downloaded at [http://earth.google.co.uk/intl/en\\_uk/](http://earth.google.co.uk/intl/en_uk/) and needs an internet connection to work



LCA Liberia November 2009.kmz

(DOUBLE CLICK THE ABOVE TEXT TO OPEN – ONLY WORKS IN THE WORD VERSION)

### 6.3. Annex 4: Miscellaneous

- 3.1 Acronyms Liberia
- 3.2 Embassy and consulates abroad for Liberia
- 3.3 DHL Liberia Tariffs 2009
- 3.4 Heads of Organisations & Agencies in Liberia – October-December 2008
- 3.5 Bureau Veritas Liberia Guide to importers – December 2008 revised
- 3.6 Main airport and airstrip technical survey UNMIL 2009
- 3.7 UNHAS Cargo Request Form
- 3.8 UNHAS Passenger Request Form
- 3.9 UNHAS public flight schedule, 5<sup>th</sup> October to 31<sup>st</sup> December 2009
- 3.10 Regional Air Transport Office (Monrovia) SOP WFP
- 3.11 Final Guinea Contingency Plan Version October 26<sup>th</sup> 2009
- 3.12 Liberia UNJLC Warehousing Survey Monrovia 031017
- 3.13 Liberia Distance Matrix