

参考資料 4. 現地合同スクリーニング及びヒスコーピングの結果

Checklist for Joint Screening (1)

Form 6

1 Study Title(Project Name) : THE FERTILITY STUDY ON THE BECHO PLAIN AGRICULTURAL DEVELOPMENT PROJECT

2 Name of Country : PEOPLE'S DEMOCRATIC REPUBLIC OF ETHIOPIA

3 Criteria for Initial Environmental Examination (IEE) and Environmental Impact Assessment (EIA) in Recipient Country

Main Project Components (Development Activity)	Type of Project (Type of Activity)	Development Scale:		
		Initial Environmental Examination(IEE)	Environmental Impact Assessment(EIA)	Environmental Impact Assessment(EIA)
Irrigation	New project	N.A	N.A	ha or more
	Rehabilitation	N.A	N.A	ha or more
Drainage	New project	N.A	N.A	ha or more
	- ditto -	N.A	N.A	ha or more
Land clearing & levelling	- ditto -	N.A	N.A	ha or more
Sea/swamp reclamation	- ditto -	N.A	N.A	ha or more
Land consolidation	- ditto -	N.A	N.A	ha or more
New land settlement	- ditto -	N.A	N.A	households or more
Dam and reservoir	- ditto -	N.A	N.A	Storage capacity: ha or more
		N.A	N.A	N.A m <sup>3</sup> or more
		N.A	N.A	Storage capacity: ha or more
		N.A	N.A	N.A m <sup>3</sup> or more
Substantial changes in farming system	New project	N.A	N.A	ha or more
Other		N.A	N.A	ha or more

4 Area under Specific Designation

Environmentally Sensitive Area	Applicable or Not					
	In Project Area			Vicinity of Project Area		
	Appl.	N.A	Unknown	Appl.	N.A	Unknown
a. Habitat of fauna and flora listed in CITES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Wetland designated in Ramsar Convention	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Heritage sites under the world Heritage Convention	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. National park, nature reserve, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Other ( )	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note: It should be noted that there may be cases where a final decision to abandon a particular development study is reached after thorough field survey and discussion with concerned officials in the recipient country, if (i) the project area is located within one of the areas of specific designation in (4) above, or (ii) the results of screening indicate that the project will have a range of significant and adverse environmental impact.

*[Signature]*  
14-12-93  
Woldemariam

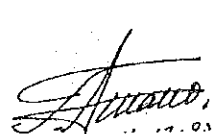
## Checklist for Joint Screening (2)

Form 6

5 Checklist for Joint Screening

Environmental Issues	Potential SEI	Evaluation	Evaluation Bases
<b>I. Social Environment</b>			
<b>1. Socio-economic Issues</b>  Will the Project significantly affect socio-economic activities in and around the Project site, such as daily human life, economic activities, transportation, community, institution, and customary practices?	1. Planned residential settlement 2. Involuntary resettlement 3. Substantial changes in way of life 4. Conflict among communities or peoples 5. Impacts on native peoples 6. Population increase 7. Drastic change in population composition 8. Change in bases of economic activities 9. Occupational change and loss of job opportunity 10. Increase in income disparities 11. Adjustment and regulation of water or fishing (riparian) rights 12. Changes in social and institutional structures 13. Changes in existing institutions and customs	Yes No (Unknown)	No. 2, 4 & 10
<b>2. Health and Sanitary Issues</b>  Will the Project significantly affect hygiene in and around the Project area or induce water-related diseases?	1. Increased use of agrochemicals 2. Outbreak of endemic diseases 3. Spreading of epidemic diseases (schistosomiasis, malaria, onchocerciasis, elephantiasis) 4. Residual toxicity of agrochemicals 5. Increase in domestic and other human wastes	Yes No (Unknown)	No. 1
<b>3. Cultural Asset Issues</b>  Are any historically, culturally, aesthetically or scientifically important sites located in the Project area?	1. Impairment of historic remains and cultural assets 2. Damage to theoretic aesthetic	Yes (No) Unknown	
<b>II. Natural Environment</b>			
<b>4. Biological and Ecological Issues</b>  Are any habitats for rare species or ecologically sensitive areas located in the Project or surrounding areas?	1. Deterioration or degradation of vegetation 2. Negative impact on important or indigenous fauna and flora (extinction of or decrease in species) 3. Degradation of ecosystems with biological diversity 4. Proliferation of exotic and/or hazardous species 5. Destruction of wetlands and peatlands 6. Encroachment into tropical rain forests and wildlands 7. Destruction or degradation of mangrove forests and wildlands 8. Degradation of coral reefs	Yes (No) Unknown	
<b>5. Soil and Land Resources</b>  Will the Project significantly induce land devastation, soil erosion, soil contamination, etc.?	1. Soil erosion 2. Soil salinization 3. Degradation of soil fertility 4. Soil contamination by agrochemicals and others 5. Devastation or desertification of land 6. Devastation of hinterland 7. Ground subsidence	* (Yes) No Unknown	No. 3  due to reduction of flood
<b>6. Hydrology and Air and Water Quality</b>  Will the Project significantly affect hydrological regime of river, lake and swamp, groundwater hydrology, and air or water quality?	1. Changes in surface water hydrology 2. Changes in groundwater hydrology 3. Inundation and flooding 4. Sedimentation 5. Riverbed degradation 6. Impediment of inland navigation 7. Water contamination and deterioration of water quality 8. Water eutrophication 9. Salt water intrusion 10. Change in temperature of water 11. Air pollution	*  (Yes) No Unknown	No. 1, 2, 3 & 4  due to flood protection dike and reduction of flood
<b>7. Landscape and Mining Resources</b>  Will the Project significantly affect landscape or mining resources?	1. Damage to landscape 2. Impediment of mining resources exploitation	Yes (No) Unknown	
<b>Overall Evaluation:</b>		(Yes) No Unknown	

Notes \* not significant but Yes


  
 Dejene Woldeamlam

# Checklist for Joint Scoping (1)

Form 7

- 1) Applicable development activities:  
Irrigation; Drainage; Land clearing and leveling; Soils/wetland reclamation; Land consolidation; New land settlement;  
Dam and reservoir, or Substantial change in farming system
  - 2) Applicable development type:  
New project or Rehabilitation
  - 3) Applicable environmentally sensitive area:  
Arid and semi-arid lands; Tropical rain forest; <sup>Seasonal</sup> Wetlands; Wetlands; Peat lands; Coastal zones; Mangrove forests; Coral reefs; Mountainous, steep-sloped, erodible, or devastated lands; or Closed water bodies in the upstream or downstream
- (Irrelevant items in the above are deleted)

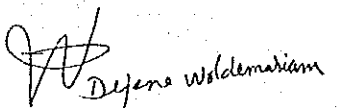
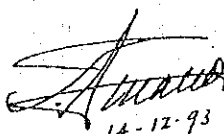
**I. Social Environment**

Category of Environmental Impact	Evaluation of SEI 1/				Evaluation Base 2/
	A	B	C	D	
<b>1. Socio-economic Issues</b>					
<b>(1) Social Issues</b>					
1. Planned residential settlement			*		
2. Involuntary resettlement				*	Land for flood protection dike to be acquired
3. Substantial changes in way of life			*		
4. Conflict among communities and peoples				*	no benefit & negative impact in R.B. area
5. Impacts on native peoples			*		
6. Other					
<b>(2) Demographic Issues</b>					
1. Population increase			*		
2. Drastic change in population composition			*		
3. Other					
<b>(3) Economic Activities</b>					
1. Changes in bases of economic activities			*		
2. Occupational change and loss of job opportunity			*		
3. Increase in income disparities				*	between farmers in R.B. and farmers in Project
4. Other					
<b>(4) Institutional and Custom Related Issues</b>					
1. Adjustment and regulation of water or fishing (riparian) rights			*		
2. Changes in social and institutional structures			*		
3. Changes in existing institutions and customs			*		
4. Other					
<b>2. Health and Sanitary Issues</b>					
1. Increased use of agrochemicals				*	decreasing flood
2. Outbreak of endemic diseases			*		
3. Spreading of epidemic diseases			*		
4. Residual toxicity of agrochemicals			*		
5. Increase in domestic and other human wastes			*		
6. Other					
<b>3. Cultural Asset Issues</b>					
1. Impairment of historic remains and cultural assets			*		
2. Damage to aesthetic sites			*		
3. Other					

1/ Applicable columns with the following impact degree are marked with "x"

- A: The subject SEI is unquestionably induced by the Project
- B: The subject SEI is likely to be induced by the Project
- C: There is no possibility of the subject SEI being induced by the Project
- D: The SEI is not fully known

2/ Potential impact, etc., are filled in referring to Appendix A, "Significant Environmental Impacts and Issues"

  
 Defena Woldemariam  
  
 14-12-93

# Checklist for Joint Scoping (2)

Form 7

- 1) Applicable development activities:  
Irrigation; Drainage; Land clearing and leveling; Sea/wetland reclamation; Land consolidation; New land settlement;  
Dam and reservoir, or Substantial change in farming system
  - 2) Applicable development type:  
New project or Rehabilitation
  - 3) Applicable environmentally sensitive area: Seasonal  
Arid and semi-arid lands; Tropical rain forests; Wildlands; Wetlands; Peat lands; Coastal zones; Mangrove forests; Coral reefs; Mountainous, steep-sloped, erodible, or devastated lands; or Closed water bodies in the upstream or downstream
- (Irrelevant items in the above are deleted)

**II. Natural Environment**

Category of Environmental Impact	Evaluation of SEI 1/				Evaluation Base 2/
	A	B	C	D	
<b>4. Biological and Ecological Issues</b>					
1. Changes in vegetation			*		
2. Negative impacts on important or indigenous fauna and flora			*		
3. Degradation of ecosystems with biological diversity			*		
4. Proliferation of exotic and/or hazardous species			*		
5. Destruction of wetlands and peatlands			*		
6. Encroachment into tropical rain forests and wildlands			*		
7. Destruction or degradation of mangrove forests			*		
8. Degradation of coral reefs			*		
9. Other					
<b>5. Soil and Land Resources</b>					
<b>(1) Soil Resources</b>					
1. Soil erosion			*		
2. Soil salinization			*		
3. Degradation of soil fertility		*			due to reduction of flood
4. Soil contamination by agrochemicals and others				*	due to above (3)
5. Other					
<b>(2) Land Resources</b>					
1. Devastation or desertification of land			*		
2. Devastation of hinterland			*		
3. Ground subsidence			*		
4. Other					
<b>6. Hydrology and Air and Water Quality</b>					
<b>(1) Hydrology</b>					
1. Changes in surface water hydrology		*			due to construction flood protection dike
2. Changes in groundwater hydrology		*			due to reduction of flood
3. Inundation and flooding		*			in R.B. area, due to the dike
4. Sedimentation		*			in downstream due to reduction of flood
5. Riverbed degradation				*	due to above (1)
6. Impediment of inland navigation			*		
7. Other					
<b>(2) Water Quality and Temperature</b>					
1. Water contamination and deterioration of water quality			*		
2. Water eutrophication			*		
3. Salt water intrusion			*		
4. Change in temperature of water			*		
5. Other					
<b>(3) Atmosphere</b>					
1. Air pollution			*		
2. Other					
<b>7. Landscape and Mining Resources</b>					
1. Damage to landscape			*		
2. Impediment of mining resources exploitation			*		

- 1/ Applicable columns with the following impact degree are marked with "x"
- A: The subject SEI is unquestionably induced by the Project
  - B: The subject SEI is likely to be induced by the Project
  - C: There is no possibility of the subject SEI being induced by the Project
  - D: The SEI is not fully known

Note: Categories marked "B" may not have the Significant Impact.

- 2/ Potential impact, etc., are filled in referring to Appendix A. "Significant Environmental Impacts and Issues"

*Depone waldemariam*

参考資料 5. 収集資料リスト

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調査対象地区地形図 1/50,000、1/5,000

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