

Figure 7: Measurement results of water flow rate and direction at high tide (2:37'02" on 18/11/2000)

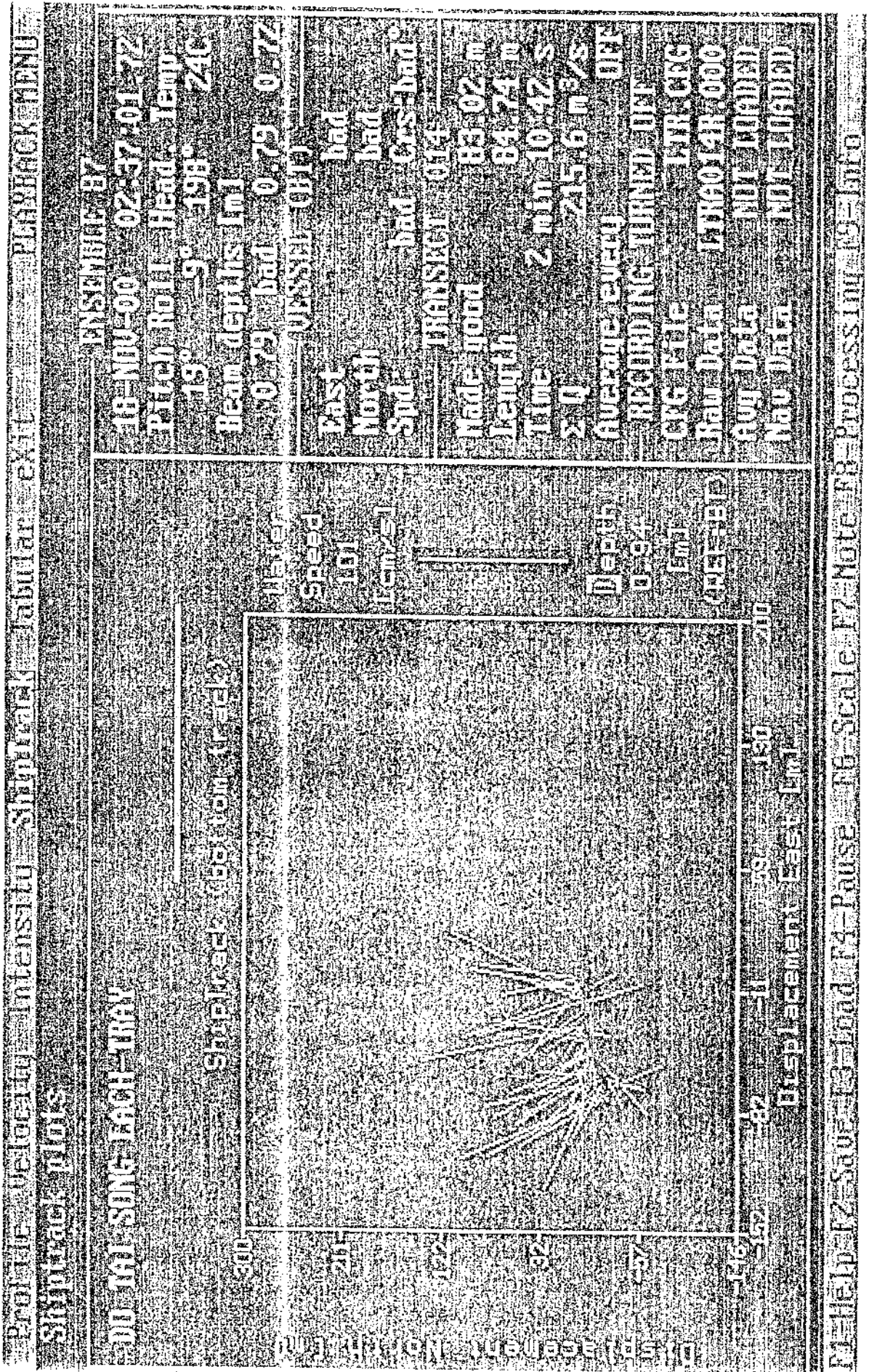


Figure 8: Measurement results of water flow rate and direction at high tide (10:34'57" on 20/11/2000)

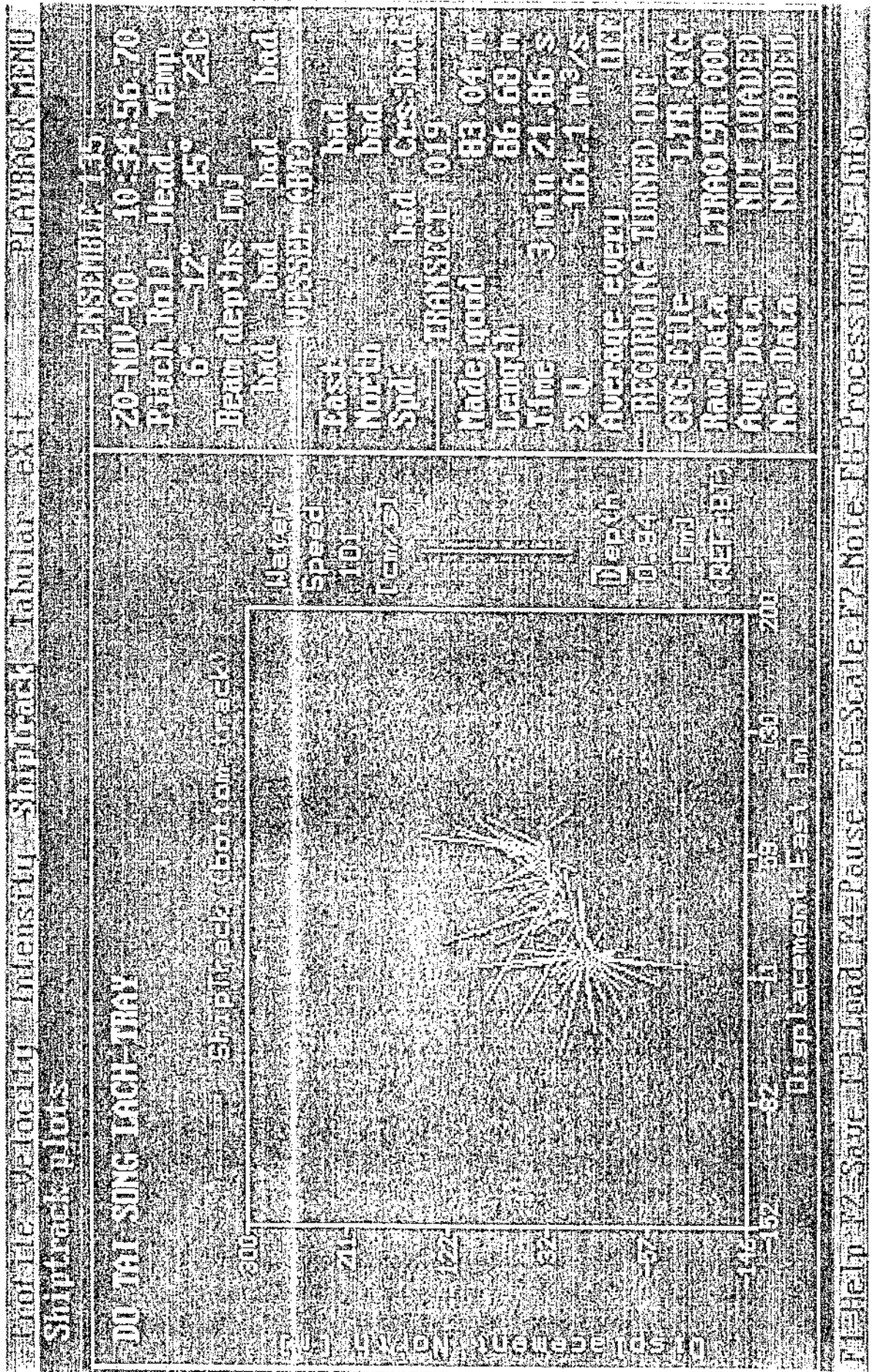


Figure 9: Measurement results of water flow rate and direction at low tide (16:41'52" on 20/11/2000)

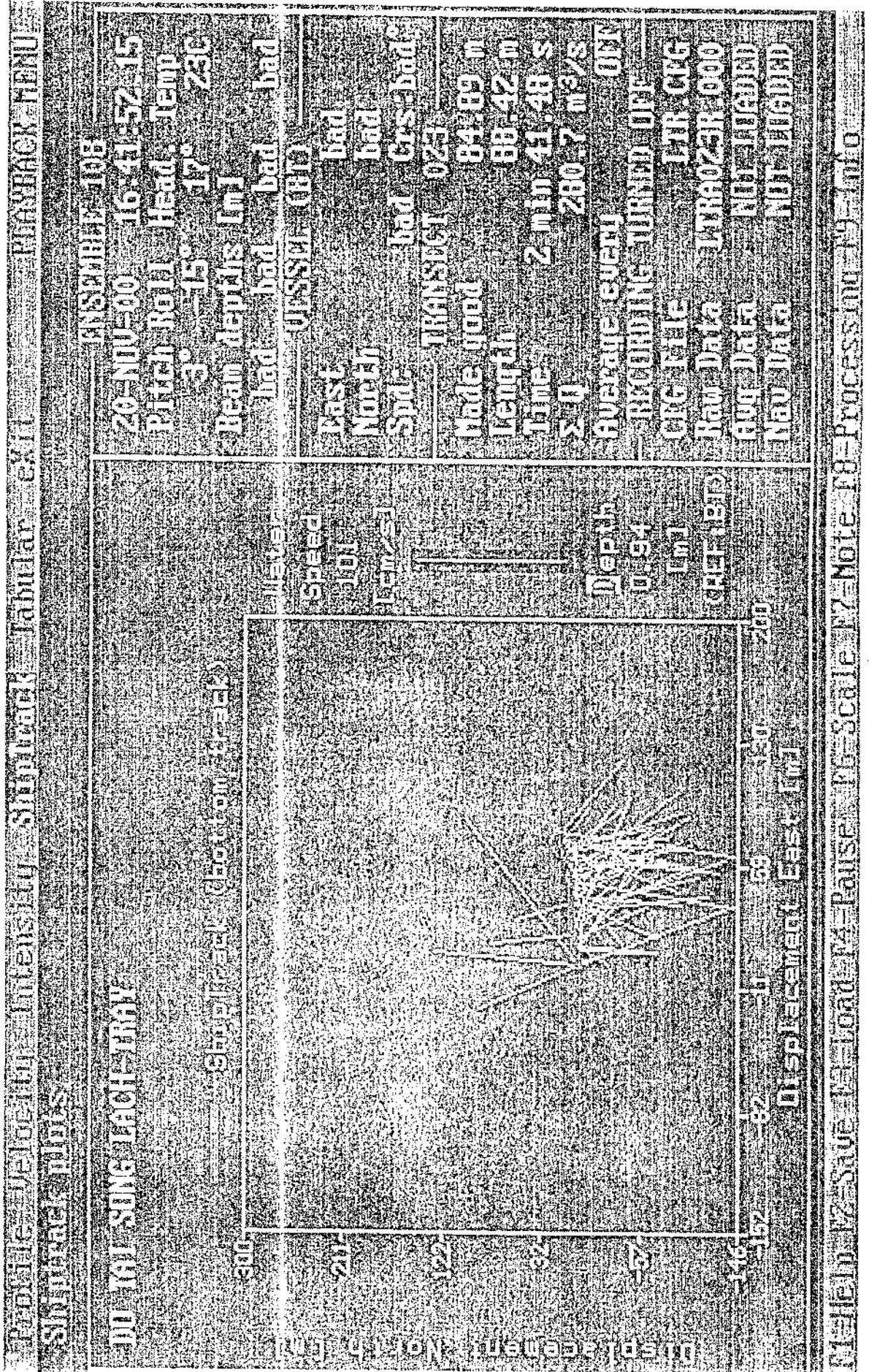


Figure 10: Measurement results of water flow rate and direction at low tide (22:38' on 20/11/2000).

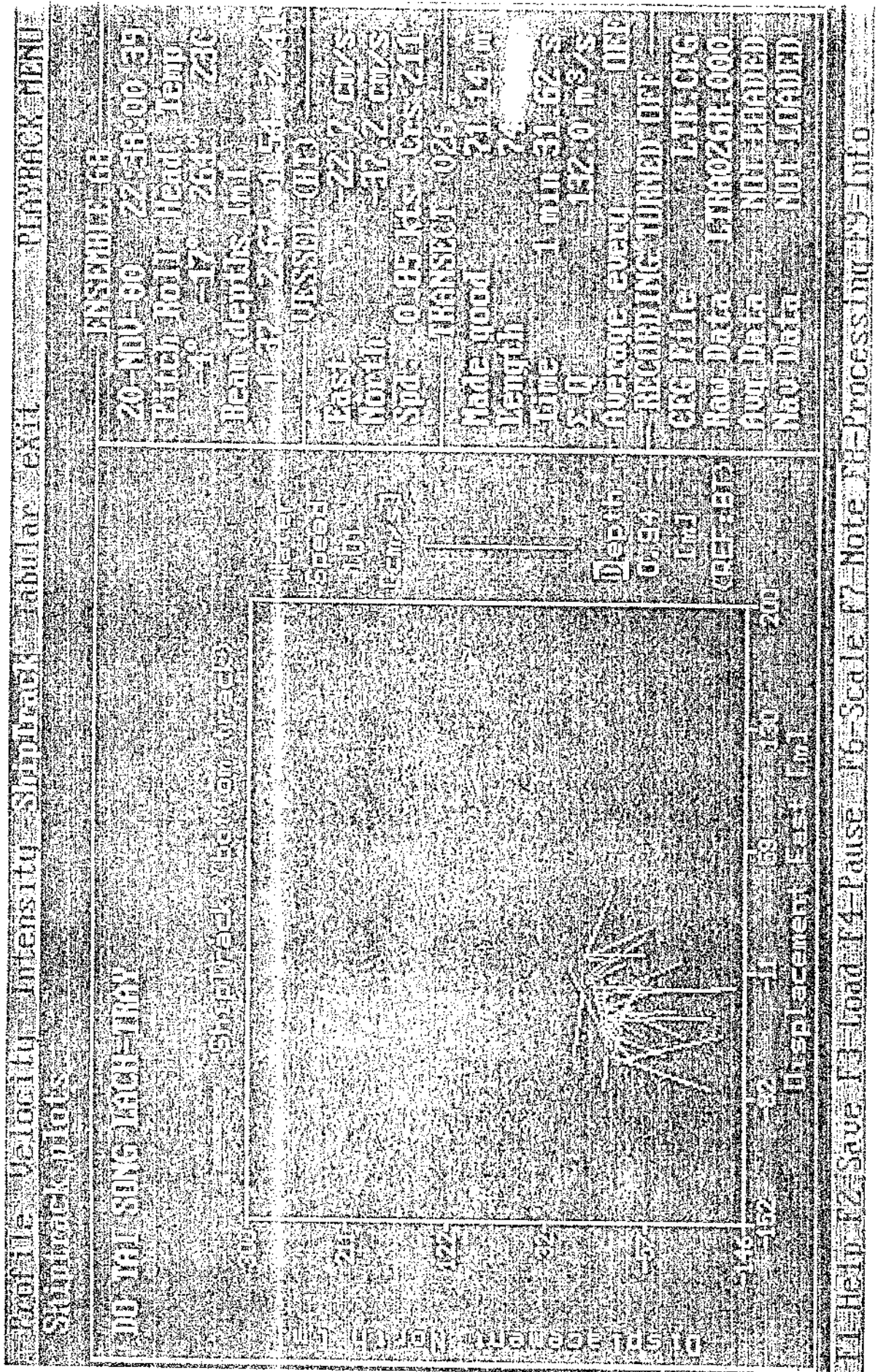


Figure 11: Measurement results of water flow rate and direction at high tide (3:59' on 22/11/2000)

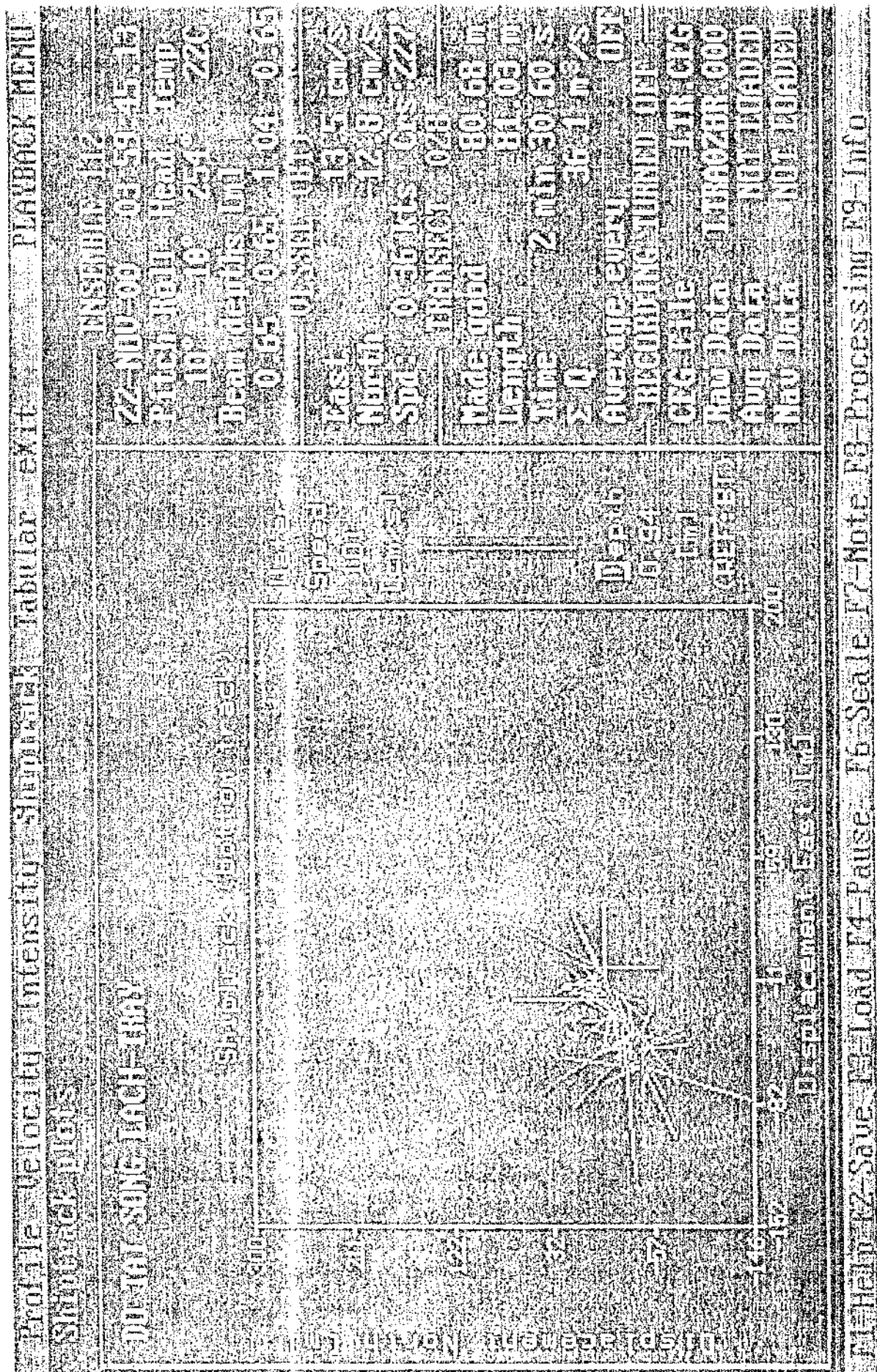


Figure 12: Measurement results of water flow rate and direction at high tide (11:49' on 20/11/2000)

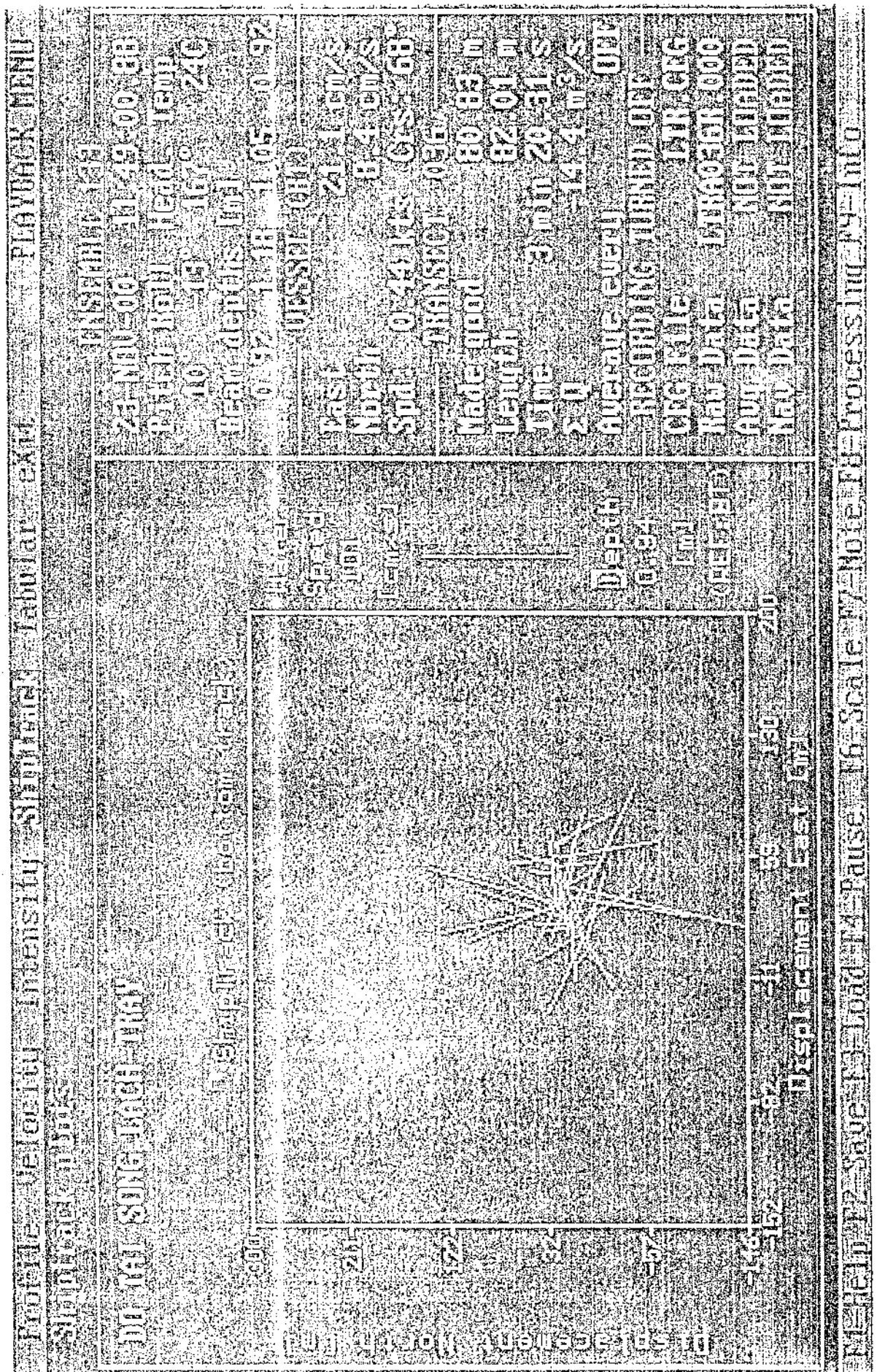


Figure 13: Measurement results of water flow rate and direction at low tide (15:05' on 23/11/2000)

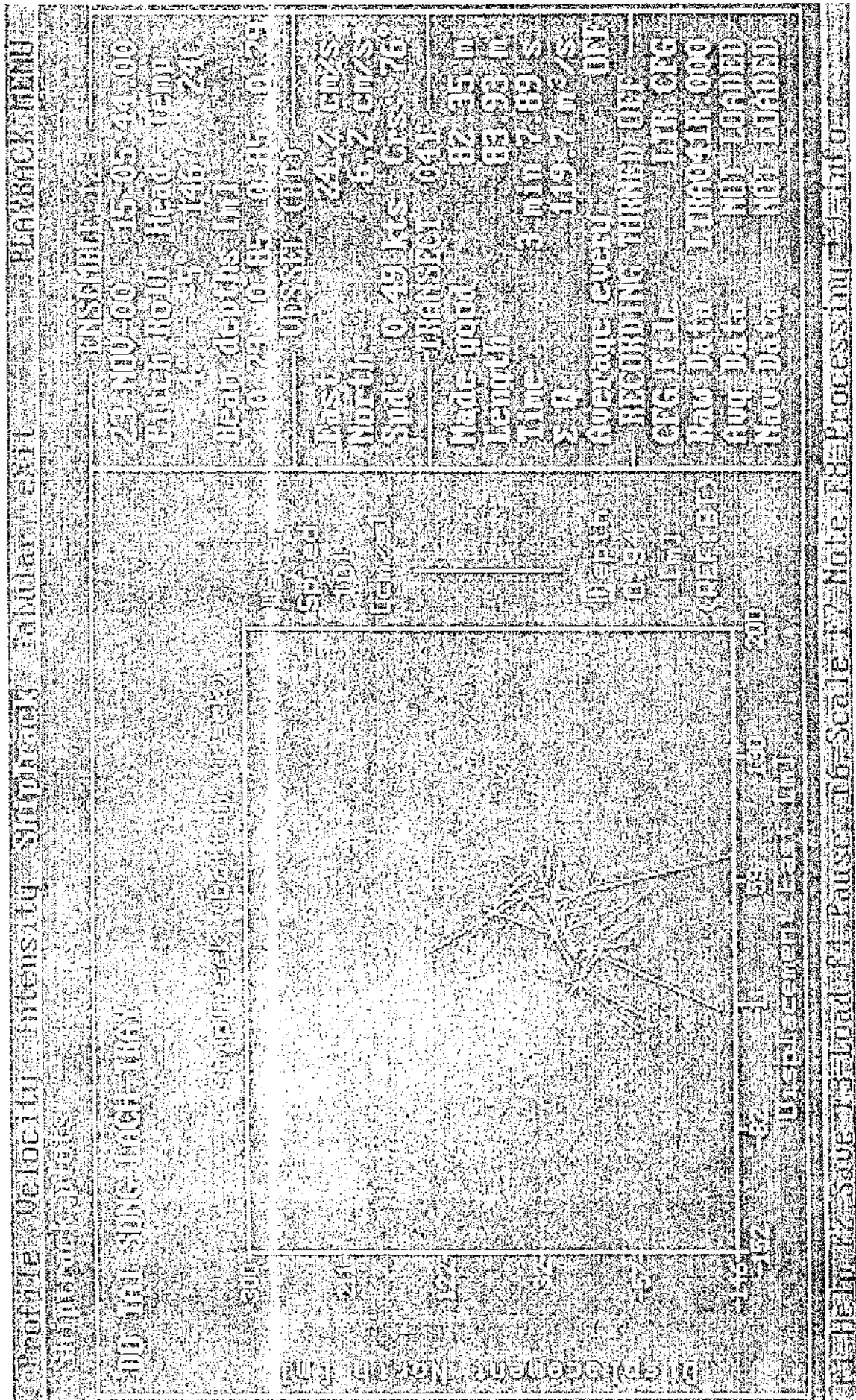


Figure 14: Measurement results of water flow rate and direction at low tide (17:55' on 23/11/2000)

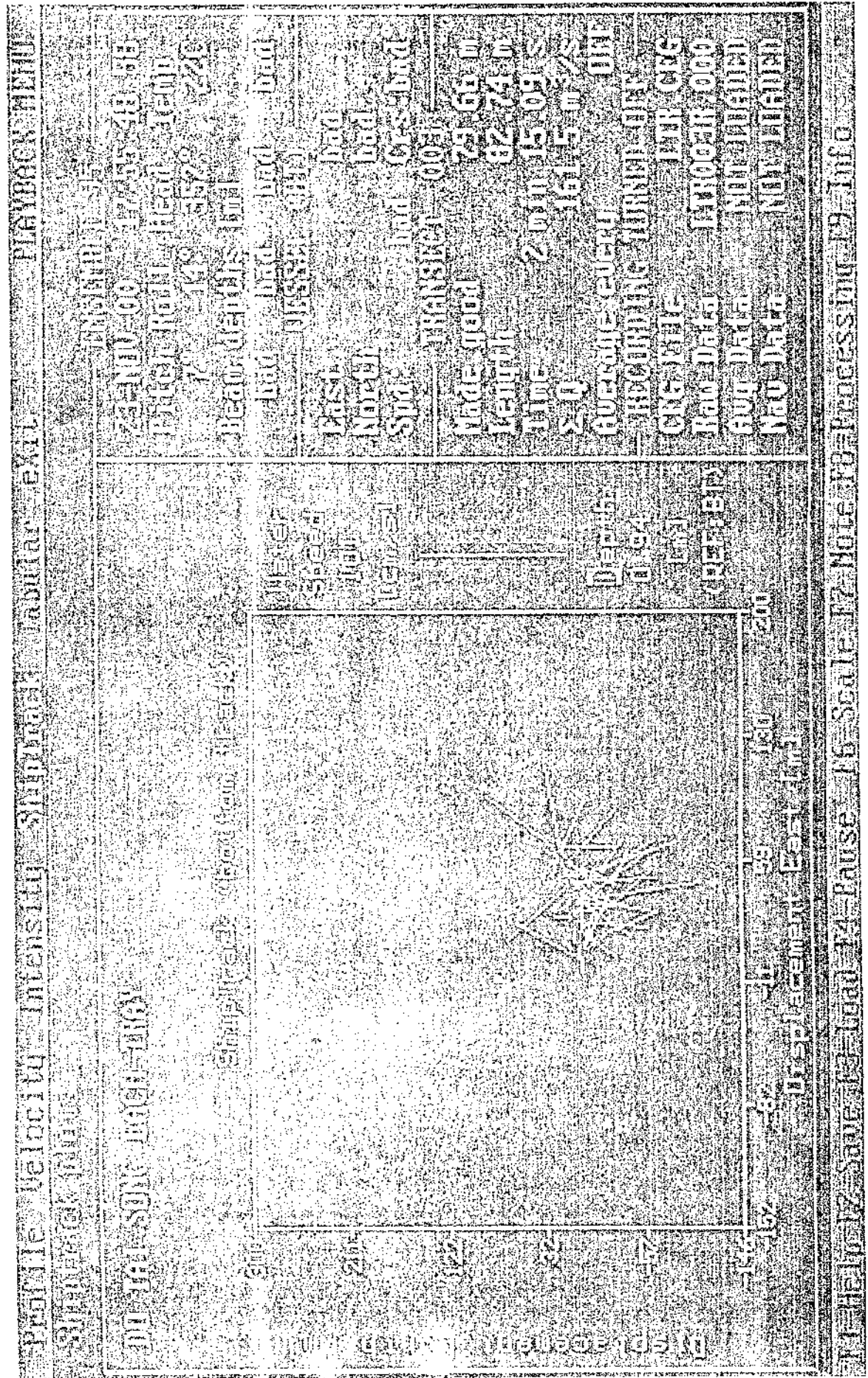
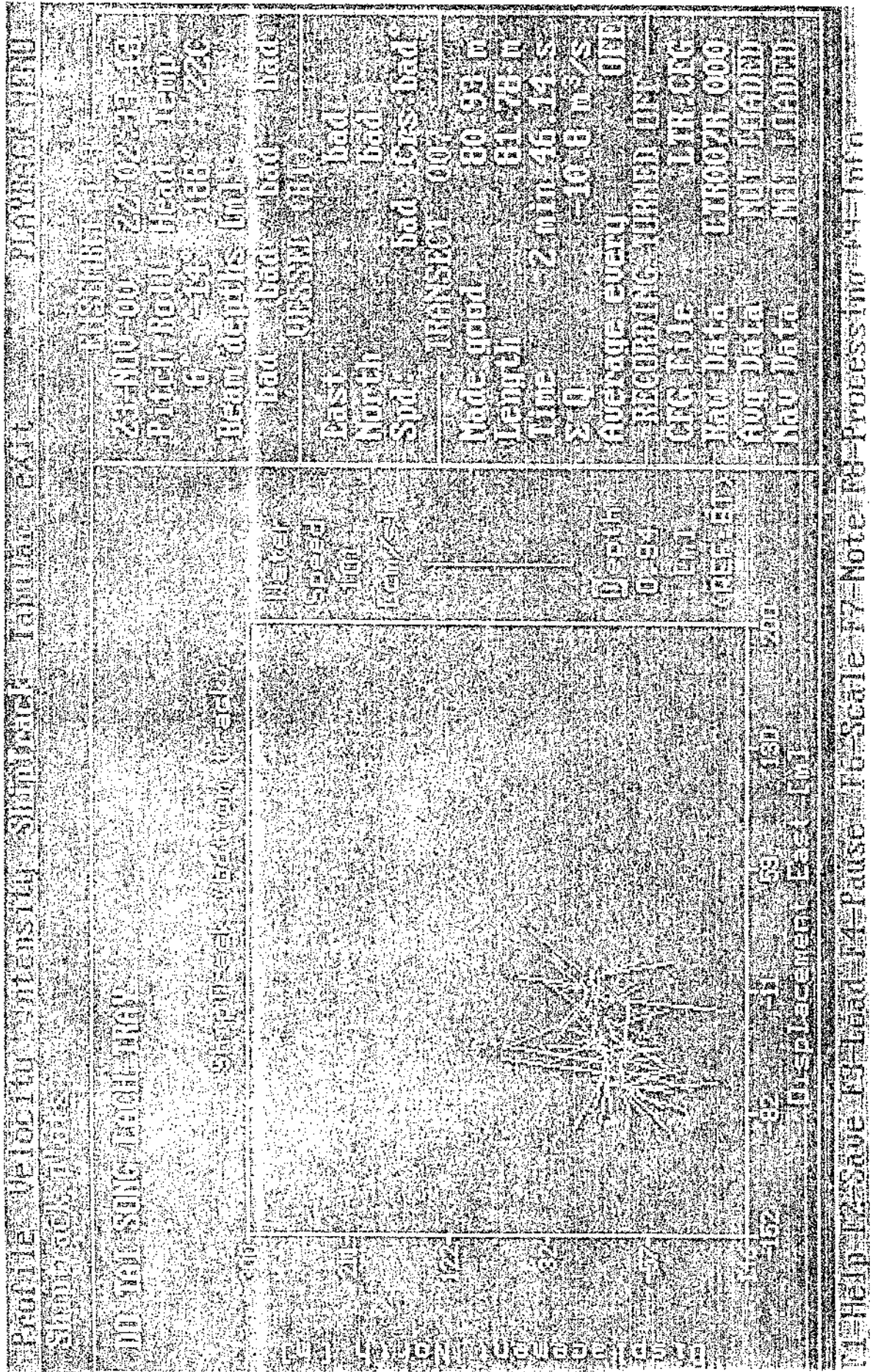


Figure 15: Measurement results of water flow rate and direction at high tide (22:02' on 23/11/2000)



**H: Environmental Impact Assessment
for Solid Waste Management**

Questionnaire	Data	Percen	Note
1. Rice	5	50 %	
2. Vegetables	1	10 %	Secondary
3. Shrim	0	0 %	
4. Fish	0	0 %	
5. Other	0	0 %	
2.6 What is the size (total floor area) of the house your family live			
m2	56		
2.7 Which of the following characters that your house has			
1. Have garden serounding	5	50 %	
2. Has multi storys and has its own kitchen and toilet	0	0 %	
3. Has multi storys and share kitchen and toilet with the neighbour	0	0 %	
4. Has 1 story and has it own kitchen and toilet	3	30 %	
5. Has 1 storys and share kitchen and toilet with the neighbour	0	0 %	
6. Semi permanent house of mixed brick, steel and wood	5	50 %	
7. Temporary house of tin cladding/ woodor bam	5	50 %	
8. Other	0	0 %	
2.8 When this house was constracted			
Year			Ranging from 1978 to 2000
2.9 How many stories are there in your house			
1. One	8	80 %	
2. Two	2	20 %	
3. Three	0	0 %	
4. More	0	0 %	
2.10 Who owns this house/ apartment where you live			
1. A family member living in household	10	100 %	
2. A family member not living in the huosehold	0	0 %	
3. A non family member whomay not live in the huosehold	0	0 %	
4. The state	0	0 %	

Questionnaire	Data	Percent	Note
6. Other	0	0 %	
7. Don't know	0	0 %	
2.11 How many years your family has been living in this house			
_____ years			ranging from 22-1 years
2.12 Where did you live before you move to this house			
1. Always lived in this house	5	50 %	
2. In another house in the same phuong	5	50 %	
3. In another house in the same district	0	0 %	
4. In another house in the same city	0	0 %	
5. In rural areas of the same province	0	0 %	
6. Other province	0	0 %	
2.13 What kind of commercial activity does your huose do in your house			
1. Cafe, restaurant	0	0 %	
2. Shop	3	30 %	
3. Baber shop	0	0 %	
4. Manufacturing (wood, metal)	0	0 %	
5. Food production	0	0 %	
6. Storage	0	0 %	
7. Office	0	0 %	
8. Breeding animals for sell	1	10 %	
9. Bike washing	0	0 %	
10. Bike/ car repair	1	10 %	
11. Rooms rented out business	0	0 %	
12. Other	0	0 %	
13. No business activity	5	50 %	
III. WATER SUPPLY, SANITATION AND SOLID WASTE			
3.1 What is the main water source for this household			
1. Piped supply from water supply Company through own house connection	0	0 %	
2. Pipe supply from water Supply Company to public tank	0	0 %	
3. Own shallow well	1	10 %	

Questionnaire	Data	Percent	Note
4. Share shallow well	0	0 %	
5. Own deep well (UNICEF well)	7	70 %	
6. Share deep well	0	0 %	
7. Other	10	100 %	Storm water
3.2 Is your house connected to communal sewer network			
1. Yes	0	0 %	
2. No	10	100 %	
3. Don't know	0	0 %	
3.3 If not, where is your wastewater discharged			
1. To drain	0	0 %	
2. To channel or pond	10	100 %	
3. To ground	0	0 %	
4. Don't know	0	0 %	
3.4 Is there a toilet in this house			
1. There is toilet in house	10	100 %	
2. We share a toilet with other households	0	0 %	
3. We are using neighbour's toilet	0	0 %	
4. We using public toilet	0	0 %	
5. No toilet	0	0 %	
3.5 Which of the categories below best describes the toilet in your house			
1. Pour flush toilet	0	0 %	
2. Western style flush toilet	7	70 %	
3. Double vault composting toilet above ground	0	0 %	
4. Double vault composting toilet under ground	1	10 %	
5. Pit latrine- above ground	0	0 %	
6. Pit latrine - below ground	0	0 %	
7. Bucket latrine	2	20 %	
8. Open latrine or traditional method	0	0 %	
9. Over hung latrine	0	0 %	
10. Other	0	0 %	
3.6 If there is a pour flush toilet in this house, where does the water from the toilet go			
1. Septic tank	7	70 %	30% haven't got toilet
2. Sewer	0	0 %	

Questionnaire	Data	Percen	Note
3. Storm water drain	0	0 %	
4. Directly into ground	0	0 %	
5. Directly into river/ lake	0	0 %	
6. Don't know	0	0 %	
3.7 If you have a septic tank, where does the water from septic tank go			
1. Sewer	0	0 %	
2. Storm water drain	0	0 %	
3. Directly into ground	3	30 %	30% haven't got septic
4. Directly into river/lake	4	40 %	
5. Don't know	0	0 %	
3.8 If you have a septic tank, how often it is emptied			
1. Once a year	0	0 %	
2. Every second year	0	0 %	
3. In 5 years interval	0	0 %	
4. When needed	1	10 %	
5. Has not been emptied	6	60 %	
6. Don't know	0	0 %	
3.9 How often your family has to suffer the flood			
1. Yes, often	1	10 %	
2. Yes, several times in a year	0	0 %	
3. Yes, several times in 5 years	0	0 %	
4. No never	9	90 %	Only one time 45 year ago
5. Don't know	0	0 %	
3.10 How the solid waste collected from your house			
1. URENCO collects solid waste from door	3	30 %	
2. Solid waste is thrown to street or vacant land	1	10 %	
3. Solid waste is thrown on the channel or pond	2	20 %	
4. Solid waste is thrown on the drain	0	0 %	
5. Solid waste is burnt	3	30 %	
6. Organic solid waste is used for fertiliser	1	10 %	
7. Other	0	0 %	
8. Don't know	0	0 %	
3.11 What kind of the following item you separate from your solid waste at home			

Questionnaire	Data	Percen	Note
1. Metal	0	0 %	
2. Paper	0	0 %	
3. Glass	0	0 %	
4. Plastic	0	0 %	
5. Other	0	0 %	
6. No separation	10	100 %	They have no concept about this master
7. Don't know	0	0 %	
3.12 What kind of garbage bin you have at home			
1. Bamboo basket	4	40 %	
2. Plastic bucket less than 10 l without lid	3	30 %	
2. Plastic bucket less than 10 l with lid	0	0 %	
2. Plastic bucket bigger than 10 l without lid	0	0 %	
2. Plastic bucket bigger than 10 l with lid	0	0 %	
6. No garbage bin	3	30 %	
7. Other	0	0 %	
8. Don't know	0	0 %	
IV. ENVIRONMENTAL AWARENESS			
4.1 what do you think about the general cleanliness of your living area?			
1. Very clean	0	0 %	
2. Clean	0	0 %	
3. Dirty	4	40 %	
4. Very dirty	6	60 %	
5. No opinion	0	0 %	
4.2 What do you think which are the biggest environmental problems in your living area			
1. Polluted lakes and pond	0	0 %	
2. Polluted channels	0	0 %	
4. Smell from landfill	2	20 %	
4. Smell of wastewater	0	0 %	
5. Cause by transportation of collecting truck	8	80 %	
6. Flooding	0	0 %	
7. Poor solid waste collection	0	0 %	
8. Rat and vermin	0	0 %	

Questionnaire	Data	Percent	Note
9. Dust in air and street	0	0 %	
10. Poor air quality	0	0 %	
11. Noise	0	0 %	
12. Too crowded living area	0	0 %	
13. Lack of original nature and animal	0	0 %	
14. Other	0	0 %	
15. No environment problem	0	0 %	
16. No opinion	0	0 %	
4.3 When do you think it is most serious			
1. Any time	6	60 %	
2. In dry season	0	0 %	
3. In the wet season	0	0 %	
4. At the most crowded traffic rate	2	20 %	
5. Other time	2	20 %	When have wind blow direct to their house from landfill
V. HEALTH			
5.1 Which of the following diseases have been diagnosed by a doctor in your household last 12 months			
1. Diarrhea	3	30 %	
2. Eye diseases	7	70 %	
3. Skin diseases	3	30 %	
4. Paratyses	2	20 %	
5. Dengue fever	1	10 %	
6. Cholera	0	0 %	
7. Typhoid	0	0 %	
8. Other water related diseases	3	30 %	
9. Other air related diseases	7	70 %	
10. NO diagnosed diseases	2	20 %	
11. Don't know	1	10 %	
5.2 What do you think which is source for your deases			
1. Polluted lake	2	20 %	
2. Polluted channel	4	40 %	
3. Flood	0	0 %	
4. Polluted food	0	0 %	

Questionnaire	Data	Percent	Note
5. Polluted drinking water	3	30 %	
6. Dusty air	7	70 %	
7. Other	0	0 %	
8. Don't know	3	30 %	
IV. HOUSEHOLD INCOME			
6.1 Which of the following items your household owns			
1. Television	10	100 %	
2. Video equipment	5	50 %	
3. CD player	3	30 %	
4. Fan	10	100 %	
5. Air conditioner	0	0 %	
6. Refrigerator	2	20 %	
7. Electric cooker	1	10 %	Including gas cooker
8. Washing machine	0	0 %	
9. Telephone	5	50 %	
10. Mobile telephone	0	0 %	
11. Computer	0	0 %	
12. Modern beds	0	0 %	
13. Bicycle	10	100 %	
14. Motor bike	8	80 %	
6.2 Which of the following source of income do individual household member receive			
1. Income from own business	3	30 %	
2. Income from agriculture or fishing	3	30 %	
3. Income as a government official	5	50 %	
4. Income as an employee in a state enterprise	0	0 %	
5. Income as an employee in a private enterprise	0	0 %	
6. Income from pension	1	10 %	
7. Income from relative	1	10 %	From relatives live abroad
8. Other source	1	10 %	
6.3 How much is approximate monthly income of your household			
VND			914,286
VII. No answer	3	30 %	(914,286/ one family)

Questionnaire	Data	Percen	Note
			Unit :VND
7.1 How much is the total monthly expenditure for your family			
VND			837,500
No answer	4	40 %	(837,000/one family)
		0 %	Unit :VND
7.2 How much your family is using money per month on the following			
1. Food	6	60 %	450,000
2. Education	7	70 %	228,571
3. Heath	0	0 %	-
4. Clothing and footwear	0	0 %	-
5. House	0	0 %	-
6. Transportation and communication	0	0 %	-
7. Public utilities	0	0 %	-
8. Leisure	0	0 %	-
9. Other	4	40 %	325,000
10. Don't know	3	30 %	-
7.3 How much money your family is using per month on public utilities			
1. Water	0	0 %	-
2. Electricity	10	100 %	56,900
3. Telephone	4	40 %	55,000
4. Gas	0	0 %	-
5. Other	0	0 %	-
6. Don't know	0	0 %	-
7.4 Is your household saving money for some big purchase			
1. Yes	2	20 %	-
2.No	8	80 %	-
3. Don't know	0	0 %	-
		0 %	
8			
1. Yes	0	0 %	-
2.No	10	100 %	-
3. Don't know	0	0 %	-
VIII. CHOSE PUBLIC UTILITIES AND WILLING TO PAY MONEY FOR IT			

Questionnaire	Data	Percent	Note
8.1 Do your family willing to pay money to reduce the flood			
1. _____ VND	6	60 %	As the requirement
2. Don't want to pay	4	40 %	-
2. Don't know	0	0 %	-
7.5 Does any body in your household have a bank account			
1. _____ VND	6	60 %	-
2. Don't want to pay	4	40 %	-
2. Don't know	0	0 %	-
8.2 How many do your family willing to pay to treat wastewater			
1. _____ VND	5	50 %	As the requirement
2. Don't want to pay	5	50 %	-
2. Don't know	0	0 %	-
8.3 How many do your family willing to pay to connect to communal sewer			
1. _____ VND	6	60 %	As the requirement
2. Don't want to pay	4	40 %	-
2. Don't know	0	0 %	-
8.5 Which of the following method do your family want to discharge solid waste			
1. URENCO collects and treat it	5	50 %	-
2. Private enterprise collect and treat it	1	10 %	-
3. Your family do your self	4	40 %	-
4. Other	0	0 %	-
5. No opinion	0	0 %	-
		0 %	
8.6 Do your family willing to clean the area your family living in			
1. Yes	7	70 %	They use to clean the access road
2.No	3	30 %	
3. Don't know	0	0 %	-
8.7 Do your family want to improve the solid waste collection system and share a basket 120-240 liter			
1. Yes	4	40 %	-
2.No	4	40 %	-
3. No opinion	1	10 %	-

Questionnaire	Data	Percent	Note
8.8. How much do your family willing to pay for solid waste collect			
1. _____ VND	4	40 %	As the requirement
2. Don't want to pay	5	50 %	
2. Don't know	1	10 %	
Very poor	1	10 %	
Poor	0	0 %	
Average	9	90 %	
Above average	0	0 %	
Rich	0	0 %	

RESULT TABLE OF SOCIETY AND ECONOMIC SURVEY

RESPONDENT: THE HOUSEHOLDS LIVING IN THE VILLAGE NEAR THE TRANG CAT LANDFILL SITE

The number of household: 10 households

Survey date: From 11/17/00 to 11/26/00

Interviewer : Dao Manh Hoach- Le Thanh Huyen

Path: c:/may1/Kt-Xh-TL

Questionnaire	Data	Percent	Note
I GENERAL			
1.1 Gender of respondent			
1. Male	7	70 %	
2. Female	3	30 %	
1.2 Age of respondent			
Age	49.7		Ranging from 37 to 57
1.3 Education of respondent			
1. No school	0	0 %	
2. Primary school	1	10 %	
3. Secondary school	9	90 %	
4. High school	0	0 %	
5. Vocational school	0	0 %	
6. University	0	0 %	
7. Other	0	0 %	
1.4 Occupation of the respondent			
1. Labourer	0	0 %	
2. Worker	0	0 %	
3. Civil servant	0	0 %	
4. Shopkeeper	0	0 %	
5. Businessman	0	0 %	
6. Farmer	4	40 %	
7. Fishman	2	20 %	
8. Housewife	0	0 %	
9. Retired	3	30 %	
10. Unemployed	1	10 %	
11. Other	0	0 %	

Eco-survey-village

1.5 The number of the member living in house			
Adult(over 18 years old)	45	450	
Childrend	34	340	
II. HOUSING			
2.1 What is the size of your family land			
m2	57.97		
2.2 Which of the following best describes the long- term land use entitlement for the land that this house is built on?			
1. A resident member of the family has certificate of occupation	9	90	%
2. A non resident member of the family has certificate of occupation	1	10	%
3. The land is rented from a person who is not a member of the house hold	0	0	%
4. The land belongs to the state	0	0	%
5. The land belongs to a govermemnt department of enterprise	0	0	%
6. The land belongs+C59 to the military	0	0	%
7. Other	0	0	%
8. Don't know	0	0	%
2.3 Does your landhold own agricultural land			
1.No	3	30	%
2.Agriculture land	3.745	37.448	%
3. Aquaculture area	140	1400	%
4. Don't know	0	0	%
2.4 If yes how far your agricultural land is from your house			
1. Agricultural land	871.4		
2.Fishing pond			
2.5 If yes, what plants you mainly cultivate			
1. Rice	7	70	%
2. Vegetables	0	0	%
3. Shrim	4	40	%
4. Fish	4	40	%

5. Other	3	30	%
2.6 What is the size (total floor area) of the house your family live			
_____ m2	57.5		
2.7 Which of the following characters that your house has			
1. Have garden surrounding	8	80	%
2. Has multi stories and has its own kitchen and toilet	0	0	%
3. Has multi stories and share kitchen and toilet with the neighbour	1	10	%
4. Has 1 story and has its own kitchen and toilet	7	70	%
5. Has 1 stories and share kitchen and toilet with the neighbour	0	0	%
6. Semi permanent house of mixed brick, steel and wood	8	80	%
7. Temporary house of tin cladding/ wood or bamboo construction	1	10	%
8. Other	0	0	%
	0	0	
2.8 When this house was constructed			
Year	1987		Ranging from 1978 to 2000
2.9 How many stories are there in your house			
1. One	9	90	%
2. Two	1	10	%
3. Three	0	0	%
4. More	0	0	%
	0	0	
2.10 Who owns this house/ apartment where you live			
1. A family member living in household	10	100	%
2. A family member not living in the household	0	0	%
3. A non family member whomay not live in the household	0	0	%
4. The state	0	0	%
5. A government department or enterprise	0	0	%
6. Other	0	0	%
7. Don't know	0	0	%
2.11 How many years your family has been living in this house			
_____ years			ranging from 22-1 years

3. Don't know	0	0	%	
3.3 If not, where is your wastewater discharged				
1. To drain	4	40	%	
2. To channel or pond	5	50	%	
3. To ground	1	10	%	
4. Don't know	0	0	%	
3.4 Is there a toilet in this house				
1. There is toilet in house	10	100	%	
2. We share a toilet with other households	0	0	%	
3. We are using neighbour's toilet	0	0	%	
4. We using public toilet	0	0	%	
5. No toilet	0	0	%	
3.5 Which of the categories below best describes the toilet in your house				
1. Pour flush toilet	3	30	%	
2. Western style flush toilet	5	50	%	
3. Double vault composting toilet above ground	2	20	%	
4. Double vault composting toilet under ground	0	0	%	
5. Pit latrine- above ground	0	0	%	
6. Pit latrine - below ground	0	0	%	
7. Bucket latrine	0	0	%	
8. Open latrine or traditional method	0	0	%	
9. Over hung latrine	0	0	%	
10. Other	0	0	%	
3.6 If there is a pour flush toilet in this house, where does the water from the toilet go				
1. Septic tank	8	80	%	20% haven't got flush toilet
2. Sewer	0	0	%	
3. Storm water drain	0	0	%	
4. Directly into ground	0	0	%	
5. Directly into river/ lake	0	0	%	
6. Don't know	0	0	%	
3.7 If you have a septic tank, where does the water from septic tank go				
1. Sewer	1	10	%	
2. Storm water drain	0	0	%	
3. Directly into ground	6	60	%	
4. Directly into river/lake	1	10	%	
5. Don't know	0	0	%	

3.8 If you have a septic tank, how often it is emptied			
1. Once a year	0	0	%
2. Every second year	0	0	%
3. In 5 years interval	0	0	%
4. When needed	2	20	%
5. Has not been emptied	6	60	%
6. Don't know	0	0	%
3.9 How does often your family has to suffer the flood			
1. Yes, often	0	0	%
2. Yes, several times in a year	0	0	%
3. Yes, several times in 5 years	0	0	%
4. No never	10	100	%
5. Don't know	0	0	%
Only one time 45 year ago			
3.10 How the sodil waste collected from your house			
1. URENCO collects solid waste form door	2	20	%
2. Sodil waste is thrown to street or vacant land	2	20	%
3. Sodil waste is thrown on the channel or pond	0	0	%
4. Sodil waste is thrown on the drain	0	0	%
5. Sodil waste is burnt	5	50	%
6. Organic sodil waste is used for fertiliser	1	10	%
7. Other	0	0	%
8. Don't know	0	0	%
3.11 What kind of the following item you separate from your sodil waste at home			
1. Metal	0	0	%
2. Paper	0	0	%
3. Glass	0	0	%
4. Plastic	0	0	%
5. Other	0	0	%
6. No separation	10	100	%
7. Don't know	0	0	%
They have no concetp about this master			
3.12 What kind of garbagebin you have at home			
1. Bamboo basket	4	40	%
2. Plastic bukket less than 10 l without lid	3	30	%
2. Plastic bukket less than 10 l with lid	0	0	%
2. Plastic bukket bigger than 10 l without lid	0	0	%
2. Plastic bukket bigger than 10 l with lid	0	0	%
6. No garbage bin	3	30	%

7. Other	0	0	%	
8. Don't know	0	0	%	
IV. ENVIRONMENTAL AWARENESS				
4.1 what do you think about the general cleanliness of your living area?				
1. Very clean	0	0	%	
2. Clean	2	20	%	
3. Dirty	6	60	%	
4. Very dirty	1	10	%	
5. No opinion	1	10	%	
4.2 What do you think which are the biggest environmental problems in your living area				
1. Polluted lakes and pond	0	0	%	
2. Polluted channels	0	0	%	
4. Smell from landfill	9	90	%	
4. Smell of wastewater	0	0	%	
5. Cause by transportation of collecting truck	0	0	%	
6. Flooding	0	0	%	
7. Poor solid waste collection	0	0	%	
8. Rat and vermin	0	0	%	
9. Dust in air and street	0	0	%	
10. Poor air quality	1	10	%	
11. Noise	0	0	%	
12. Too crowded living area	0	0	%	
13. Lack of original nature and animal	0	0	%	
14. Other	0	0	%	
15. No environment problem	0	0	%	
16. No opinion	0	0	%	
4.3 When do you think it is most serious				
1. Any time	4	40	%	
2. In dry season	0	0	%	
3. In the wet season	3	30	%	
4. At the most crowded traffic rate	0	0	%	
5. Other time	3	30	%	When have wind blow direct to their house from landfill
V. HEALTH				

5.1 Which of the following diseases have been diagnosed by a doctor in your household last 12 months			
1. Diarrhea	1	10	%
2. Eye diseases	5	50	%
3. Skin diseases	1	10	%
4. Paratases	2	20	%
5. Dengue fever	0	0	%
6. Cholera	0	0	%
7. Typhoid	0	0	%
8. Other water related diseases	2	20	%
9. Other air related diseases	6	60	%
10. NO diagnosed diseases	2	20	%
11. Don't know	1	10	%
5.2 What do you think which is source for your deases			
1. Polluted lake	2	20	%
2. Polluted channel	2	20	%
3. Flood	0	0	%
4. Polluted food	0	0	%
5. Polluted drinking water	2	20	%
6. Dusty air	7	70	%
7. Other	1	10	%
8. Don't know	3	30	%
IV. HOUSEHOLD INCOME			
6.1 Which of the foilwing items your huosehold owns			
1. Television	9	90	%
2. Video equipment	5	50	%
3. CD player	4	40	%
4. Fan	10	100	%
5. Air conditioner	0	0	%
6. Refrigerator	5	50	%
7. Electric cooker	4	40	%
8. Washing machine	0	0	%
9. Telephone	1	10	%
10. Mobile telephone	1	10	%
11. Computer	0	0	%
12. Modern beds	1	10	%
13. Bycle	10	100	%
14. Motor bike	4	40	%

Including gas cooker

6.2 Which of the following source of income do invidial household member receive			
1. Income from own business	1	10	%
2. Income from agriculture of fishing	7	70	%
3. Incoms as a government official	0	0	%
4. Income as an emplyee in a state enterprise	0	0	%
5. Income as an employee in a private enterprise	0	0	%
6. Income from pension	3	30	%
7. Income from relative	1	10	%
8. Other source	1	10	%
From relatives live abroad			
6.3 How much is apppproximate mothly income of your household			
_____ VND			1,366,667
No answer	1	10	%
			(1,366,667 per one family)
			Unit :VND
VII. HOUSEHOLD EXPENDITURE			
7.1 How much is the total monthly expenditure for your family			
_____ VND			1,066,667
No answer	1	10	%
			(1,066,667/one family)
			Unit :VND
7.2 How much your family is using money per			
1. Food	6	60	%
2. Education	6	60	%
3. Heath	0	0	%
4. Clothing and footwear	0	0	%
5. House	0	0	%
6. Transportation and communication	0	0	%
7. Public utilities	0	0	%
8. Leisure	0	0	%
9. Other	0	0	%
10. Don't know	3	30	%
7.3 How much money your family is using per month on public utilities			
1. Water	1	10	%
2. Electicity	10	100	%
3. Telephone	2	20	%
4. Gas	2	20	%
5. Other	0	0	%
6. Don't know	0	0	%
7.4 Is your household saving money for some big purchase			

1. Yes	3	30	%	
2.No	7	70	%	
3. Don't know	0	0	%	
7.5 Does anybody in your household have bank account				
1. Yes	1	10	%	
2.No	9	90	%	
3. Don't know	0	0	%	
VIII. CHOSE PUBLIC UTILITIES AND WILLING TO PAY MONEY FOR IT				
8.1 Do your family willing to pay money to reduce the flood				
1. _____ VND	2	20	%	As the requirement
2. Don't want to pay	4	40	%	
2. Don't know	4	40	%	
	0	0		
8.2 Do your family willing to pay money to conneted to communal sewer network and treat it in wastewater treatement company				
1. _____ VND	2	20	%	
2. Don't want to pay	5	50	%	
3. Don't know	3	30	%	
8.3 How many do your family willing to pay to treat wastewater				
1. _____ VND	2	20	%	As the requirement
2. Don't want to pay	5	50	%	
2. Don't know	3	30	%	
8.4 How many do your family willing to pay to connect to communal sewer				
1. _____ VND	2	20	%	As the requirement
2. Don't want to pay	5	50	%	
2. Don't know	3	30	%	
8.5 Which of the following method do your family want to dischare sodil waste				
1. URENCO collects and treat it	3	30	%	
2. Private enterprise collect and treat it	0	0	%	
3. Your family do your self	2	20	%	
4. Other	0	0	%	
5. No oppinion	5	50	%	

8.6 Do your family willing to clean the area your family living in			
1. Yes	6	60	%
2.No	2	20	%
3. Don't know	2	20	%
They use to clean the access road			
8.7 Do your family want to improve the sodil waste collection system and share a basket 120-240 litter whith your neighbour			
1. Yes	3	30	%
2.No	2	20	%
3. No oppinion	5	50	%
8.8.How much do your family willing to pay for sodil waste collect			
1. VND	3	30	%
2. Don't want to pay	5	50	%
2. Don't know	2	20	%
As the requirement			
Very poor	0	0	%
Poor	3	30	%
Average	4	40	%
Above average	2	20	%
Rich	1	10	%

I: Implementation of Pilot Project

DONG QUOC BINH ACTIVATED SLUDGE PLANT TEST RESULT

FOR THE MONTH OF NOVEMBER 2000

30-Nov-00

No.	Time Analysis item	1	2	3	4	5	6	7	8	9	10	Remark	
		30-Oct	2-Nov	6-Nov	9-Nov	13-Nov	16-Nov	20-Nov	23-Nov	27-Nov	30-Nov		
1	Temperature	inlet	28.0	28.0	27.0	27.0	24.0	26.0	25.0	25.0	25.0	25.0	
		outlet	27.0	27.0	27.0	27.0	24.0	26.0	24.0	21.0	22.0	24.0	
		decr.	1.0	1.0	0.0	0.0	0.0	0.0	1.0	4.0	3.0	1.0	
2	BOD5	inlet	177.5	192.5	122.4	172.4	164.7	108.2	164.3	125.0	162.0	161.0	
		outlet	56.4	76.6	55.8	93.2	87.0	54.4	108.2	38.6	27.8	31.2	
		decr.%	68.2%	60.2%	54.4%	45.9%	47.2%	49.7%	34.1%	69.1%	82.8%	80.6%	
3	COD	inlet	293.0	320.5	225.0	327.0	300.0	359.0	379.0	346.0	403.2	336.0	
		outlet	174.7	152.0	90.0	217.0	239.0	190.0	227.0	115.0	72.6	64.5	
		decr.%	40.4%	52.6%	60.0%	33.6%	20.3%	47.1%	40.1%	66.8%	82.0%	80.8%	
4	Suspended Solid (SS)	inlet	29.0	35.0	131.0	36.0	76.0	58.0	211.0	194.0	33.0	36.0	
		outlet	16.0	36.0	166.0	10.0	75.0	25.0	178.0	163.0	36.0	19.0	
		decr.	13.00	-1.00	-35.00	26.00	1.00	33.00	33.00	31.00	-3.00	17.00	
5	NH4-N	inlet	80.6	122.2	83.68	91.70	77.00	117.4	99.63	116.3	164.1	99.46	
		outlet	100.2	104.7	70.62	86.30	73.30	84.00	86.56	163.0	108.8	73.19	
		decr.	-19.58	17.56	13.06	5.40	3.70	33.40	13.07	-46.70	55.32	26.27	
6	NO2-N	inlet	0.006	0.02	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01	
		outlet	0.01	0.02	0.01	0.01	0.01	0.00	0.01	0.84	7.63	1.05	
		decr.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.83	-7.62	-1.04	
7	NO3-N	inlet	0.34	0.51	0.80	0.83	0.31	0.28	0.41	0.48	0.36	0.34	
		outlet	0.22	0.31	0.31	0.33	0.25	0.20	0.45	0.35	4.50	4.90	
		decr.	0.12	0.20	0.49	0.50	0.06	0.08	-0.04	0.13	-4.14	-4.56	
8	Total nitrogen (T-N)	inlet	84.1	119.4	94.1	97.78	99.47	112.9	109.9	125.3	126.9	116.00	
		outlet	90.8	93.5	85.3	93.87	89.94	93.87	94.50	120.4	87.70	68.37	
		decr.	-6.78	25.90	8.82	3.91	9.53	19.05	15.40	4.90	39.23	47.63	
9	Total Phosphoro us (T-P)	inlet	8.85	11.64	9.47	11.71	9.18	11.17	10.82	10.96	10.30	10.29	
		outlet	9.77	9.27	8.91	9.62	8.69	10.10	10.50	9.74	8.32	8.70	
		decr.	-0.92	2.37	0.56	2.09	0.49	1.07	0.32	1.22	1.98	1.59	
10	Desolved Oxygen (DO)	inlet	1.50	0.90	0.90	1.50	0.60	0.90	0.50	0.50	0.80	0.90	
		outlet	3.50	2.40	0.80	2.20	2.70	1.90	0.50	3.60	2.70	2.90	
		incr.	2.00	1.50	-0.10	0.70	2.10	1.00	0.00	3.10	1.90	2.00	
11	pH	inlet	7.6	7.2	7.7	7.0	6.7	7.2	7.4	7.5	7.2	7.2	
		outlet	8.0	8.0	8.0	7.5	7.0	7.5	7.8	8.0	7.9	7.8	

DONG QUOC BINH ACTIVATED SLUDGE PLANT TEST RESULT

FOR THE MONTH OF DECEMBER 2000

29-Dec-00

No.	Analysis item	Time	11	12	13	14	15	16	17	18	Remark
			4-Dec	7-Dec	11-Dec	14-Dec	18-Dec	21-Dec	26-Dec	28-Dec	
1	Temperature	inlet	25.0	25.0	26.0	26.0	24.5	24.0	25.0	24.5	
		outlet	23.5	23.5	25.0	25.0	24.0	24.5	24.0	24.0	
		decr.	1.5	1.5	1.0	1.0	0.5	-0.5	1.0	0.5	
2	BOD5	inlet	217.5	167.2	186.7	81.0	214.3	193.2	178.6	142.9	
		outlet	11.6	38.9	20.6	14.6	26.5	39.6	34.1	53.6	
		decr.%	94.7%	76.7%	89.0%	82.0%	87.6%	79.5%	80.9%	62.5%	
3	COD	inlet	462.0	455.5	468.4	250.0	391.0	397.7	328.2	366.1	
		outlet	80.2	120.6	130.9	63.2	63.1	80.8	90.9	85.6	
		decr.%	82.6%	73.5%	72.1%	74.7%	83.9%	79.7%	72.3%	76.6%	
4	Suspended Solid (SS)	inlet	230.0	21.0	69.0	30.0	69.0	185.0	121.0	30.0	
		outlet	102.0	15.0	39.0	14.0	55.0	54.0	86.0	32.0	
		decr.	128.00	6.00	30.00	16.00	14.00	131.00	35.00	-2.00	
5	NH4-N	inlet	116.55	106.10	121.83	106.45	117.17	142.11	78.28	137.53	
		outlet	70.94	92.77	97.75	112.20	64.72	89.60	67.79	83.14	
		decr.	45.61	13.33	0.01	-5.75	52.45	52.51	20.49	54.39	
6	NO2-N	inlet	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
		outlet	3.59	10.21	2.27	6.78	19.30	14.29	22.40	1.99	
		decr.	-3.58	-10.20	-2.26	-6.77	-19.29	-14.28	-22.39	-1.98	
7	NO3-N	inlet	0.37	0.31	0.31	0.30	0.06	0.65	2.32	0.59	
		outlet	3.77	0.16	0.50	0.93	0.95	5.07	1.89	0.33	
		decr.	-3.40	0.15	-0.19	-0.63	-0.89	-4.42	0.43	0.26	
8	Total nitrogen (T-N)	inlet	134.50	119.92	95.27	92.47	114.68	123.30	126.09	119.50	
		outlet	65.57	103.87	89.66	81.81	42.03	65.00	72.29	81.81	
		decr.	68.93	19.05	5.61	10.66	72.65	58.30	53.80	37.79	
9	Total Phosphorus (T-P)	inlet	10.75	10.57	10.30	9.93	11.78	12.63	9.55	11.36	
		outlet	7.30	9.35	10.10	9.78	11.37	10.50	11.71	10.21	
		decr.	3.45	1.22	0.20	0.15	0.41	2.13	-2.16	1.15	
10	Dissolved Oxygen (DO)	inlet	0.30	0.80	0.70	0.80	0.40	0.80	0.90	0.90	
		outlet	0.70	1.50	2.00	1.80	2.60	2.40	3.90	3.60	
		incr.	0.40	0.70	1.30	1.00	2.20	1.60	3.00	2.70	
11	pH	inlet	7.2	7.2	7.3	7.2	7.5	7.4	7.3	7.3	
		outlet	7.8	7.7	7.8	7.7	7.7	7.7	7.7	7.7	

DONG QUOC BINH ACTIVATED SLUDGE PLANT TEST RESULT

FOR THE MONTH OF JANUARY 2001

19-Jan-01

No.	Time Analysis item	19 4-Jan	20 9-Jan	20 11-Jan	Remark
1	inlet	25.0	24.0	23.0	
	Temperature outlet	24.0	23.0	21.5	
	decr.	1.0	1.0	1.5	
2	inlet	215.9	241.9	220.8	
	BOD5 outlet	48.7	40.6	27.6	
	decr.%	77.4%	83.2%	87.3%	
3	inlet	486.6	422.7	485.5	
	COD outlet	82.7	82.3	77.7	
	decr.%	83.0%	80.5%	84.0%	
4	inlet	350.0	240.0	158.0	
	Suspended Solid (SS) outlet	21.0	35.0	39.0	
	decr.	329.00	205.00	119.00	
5	inlet	90.91	84.77	108.39	
	NH4-N outlet	46.85	83.84	43.12	
	decr.	44.06	0.93	65.27	
6	inlet	0.01	0.01	0.01	
	NO2-N outlet	20.46	0.44	31.22	
	decr.	-20.45	-0.43	-31.21	
7	inlet	0.81	0.23	2.03	
	NO3-N outlet	0.44	0.20	1.86	
	decr.	0.37	0.03	0.17	
8	inlet	109.80	105.91	114.32	
	Total nitrogen (T-N) outlet	53.23	83.50	29.70	
	decr.	56.57	22.41	84.62	
9	inlet	10.91	10.30	11.30	
	Total Phosphorus (T-P) outlet	8.01	9.46	8.74	
	decr.	2.90	0.84	2.56	
10	inlet	1.00	0.80	0.60	
	Desolved Oxygen (DO) outlet	3.50	4.40	4.30	
	incr.	2.50	3.60	3.70	
11	inlet	7.2	7.3	7.2	
	pH outlet	7.7	7.8	7.7	

VINH NIEM CONTACT PURIFICATION PLANT TEST RESULT
FOR THE MONTH OF NOVEMBER 2000

30-Nov-00

No.	Analysis Item	Time	30-Nov-00					Remark
			1 30-Oct	2 6-Nov	3 13-Nov	4 20-Nov	5 27-Nov	
1	Temperature	inlet	29	26	22	24	24.5	
		V2	29	26	22	24	24	
		V3	29	26	22	24	24	
		V4	29	26	22	24	24	
		V5	29	26	22	24	24	
		V6	29	26	22	24	24	
		V7	29	26	22	24	24	
		V8	29	26	22	24	24	
		V9	29	26	22	24	24	
		V10	29	26	22	24	24	
		outlet	29	26	22	24	24	
2	BOD5	inlet	8.04	2.78	3.63	1.01	4.60	
		V2	4.16	3.72	2.85	0.87	4.86	
		V3	2.77	2.27	1.17	0.65	5.26	
		V4	1.77	1.57	1.41	0.93	5.71	
		V5	1.15	2.06	0.69	0.66	4.86	
		V6	1.26	2.42	0.69	0.74	5.22	
		V7	0.90	1.46	0.52	0.48	5.22	
		V8	0.96	2.79	0.70	0.66	4.86	
		V9	1.12	2.19	0.39	0.35	4.64	
		V10	1.46	2.14	0.22	0.70	5.10	
		outlet	0.83	1.11	0.26	0.88	4.86	
3	COD	inlet	27.90	7.70	16.00	22.20	64.80	
		V2	26.60	11.20	21.60	24.80	60.80	
		V3	20.70	10.40	16.80	20.00	56.70	
		V4	17.50	13.40	21.00	20.80	55.50	
		V5	12.40	9.20	19.20	20.00	55.20	
		V6	9.40	9.60	17.90	21.60	61.50	
		V7	7.00	8.80	16.80	22.40	52.90	
		V8	5.70	7.60	20.00	24.00	54.40	
		V9	6.40	10.40	18.40	22.40	51.50	
		V10	5.60	8.80	21.50	18.40	50.40	
		outlet	5.80	8.90	17.60	24.00	52.00	
4	Suspended solid (SS)	inlet	121.00	29.00	50.00	91.00	55.00	
		V2	70.00	70.00	17.00	52.00	20.00	
		V3	108.00	26.00	24.00	25.00	27.00	
		V4	27.00	42.00	38.00	11.00	17.00	
		V5	29.00	90.00	43.00	8.00	15.00	
		V6	6.00	35.00	22.00	27.00	31.00	
		V7	8.00	43.00	27.00	10.00	20.00	
		V8	24.00	47.00	23.00	26.00	30.00	
		V9	11.00	56.00	60.00	50.00	25.00	
		V10	18.00	14.00	26.00	34.00	25.00	
		outlet	18.00	19.00	51.00	35.00	40.00	
5	NH4-N	inlet	13.364	0.137	12.330	0.350	23.930	
		V2	8.469	0.119	13.300	0.331	25.410	
		V3	8.392	0.142	8.300	0.234	27.510	
		V4	4.507	0.148	4.870	0.157	24.630	
		V5	1.515	0.178	2.260	0.148	27.270	
		V6	0.508	0.138	1.120	0.136	28.670	
		V7	0.166	0.160	0.329	0.175	19.270	
		V8	0.103	0.096	0.152	0.168	20.590	
		V9	0.109	0.136	0.121	0.177	20.670	
		V10	0.114	0.114	0.116	0.187	20.280	
		outlet	0.124	0.118	0.109	0.174	19.580	
6	NO2-N	inlet	0.052	0.185	0.050	0.067	0.076	
		V2	0.098	0.183	0.170	0.065	0.106	
		V3	0.562	0.076	0.202	0.050	0.146	
		V4	0.699	0.038	0.193	0.064	0.188	
		V5	0.681	0.015	0.205	0.035	0.216	
		V6	0.480	0.010	0.164	0.013	0.137	
		V7	0.286	0.010	0.094	0.010	0.152	
		V8	0.225	0.010	0.037	0.010	0.155	
		V9	0.202	0.010	0.018	0.011	0.222	
		V10	0.217	0.010	0.013	0.010	0.319	
		outlet	0.154	0.010	0.011	0.010	0.029	

VINH NIEM CONTACT PURIFICATION PLANT TEST RESULT
FOR THE MONTH OF NOVEMBER 2000

30-Nov-00

No.	Analysis item	Time	1	2	3	4	5	Remark
			30-Oct	6-Nov	13-Nov	20-Nov	27-Nov	
7	NO3-N	inlet	0.330	0.200	0.160	0.180	0.130	
		V2	0.350	0.190	0.120	0.260	0.190	
		V3	0.260	0.190	0.230	0.100	0.100	
		V4	0.500	0.270	0.270	0.110	0.160	
		V5	0.700	0.250	0.270	0.120	0.140	
		V6	0.740	0.210	0.250	0.160	0.160	
		V7	0.740	0.240	0.260	0.130	0.130	
		V8	0.720	0.250	0.380	0.120	0.120	
		V9	1.020	0.230	0.390	0.150	0.120	
		V10	0.730	0.210	0.280	0.110	0.120	
		outlet	0.780	0.260	0.350	0.130	0.110	
8	Total Nitrogen (T-N)	inlet	17.300	0.840	11.130	0.910	25.780	
		V2	11.100	1.080	8.760	0.910	26.340	
		V3	8.900	0.560	5.950	0.770	25.640	
		V4	5.100	0.490	4.700	0.350	26.480	
		V5	2.300	0.420	2.870	0.210	26.340	
		V6	1.300	0.420	1.470	0.210	25.080	
		V7	1.100	0.280	0.630	0.630	24.720	
		V8	0.490	0.700	0.560	0.140	23.120	
		V9	0.350	0.350	0.490	0.350	19.750	
		V10	0.350	0.280	0.560	0.140	18.350	
		outlet	0.280	0.350	0.350	0.140	18.770	
9	Total Phosphorous	inlet	1.510	0.483	1.130	0.500	2.140	
		V2	1.030	0.473	0.935	0.478	2.110	
		V3	1.170	0.548	0.742	0.510	2.230	
		V4	0.910	0.502	0.634	0.498	2.310	
		V5	0.840	0.555	0.576	0.445	2.340	
		V6	0.840	0.582	0.510	0.518	2.460	
		V7	0.920	0.480	0.542	0.506	2.370	
		V8	0.820	0.592	0.515	0.543	2.210	
		V9	0.700	0.635	0.516	0.560	1.990	
		V10	0.810	0.581	0.474	0.571	1.940	
		outlet	0.840	0.632	0.556	0.502	1.790	
10	Dissolved oxygen (DO)	inlet	5.90	6.90	5.00	5.00	4.10	
		V2	6.10	7.30	5.50	5.20	4.00	
		V3	6.30	7.00	3.10	5.30	3.70	
		V4	7.00	6.60	3.10	6.10	3.50	
		V5	6.80	6.40	3.60	5.30	4.00	
		V6	6.80	6.90	3.40	5.10	3.70	
		V7	7.20	7.20	3.70	5.30	3.70	
		V8	7.10	7.70	4.90	6.10	4.20	
		V9	6.80	6.90	5.20	6.20	4.60	
		V10	6.90	7.00	6.30	6.90	3.10	
		outlet	7.00	7.20	7.10	6.00	4.50	
11	pH	inlet	8.50	8.00	7.40	7.60	7.40	
		V2	8.50	8.10	7.20	7.60	7.40	
		V3	8.10	8.10	7.20	7.60	7.40	
		V4	8.10	8.10	7.20	7.70	7.50	
		V5	8.00	8.20	7.10	7.70	7.50	
		V6	7.90	8.10	7.00	7.60	7.50	
		V7	7.90	8.20	6.90	7.70	7.50	
		V8	7.90	8.20	7.00	7.80	7.60	
		V9	7.90	8.20	6.90	7.80	7.60	
		V10	8.20	8.20	7.00	7.90	7.60	
		outlet	8.00	8.20	6.90	7.90	7.70	

VINH NIEM CONTACT PURIFICATION PLANT TEST RESULT
FOR THE MONTH OF DECEMBER 2000

29-Dec-00

No.	Analysis item	Time	6	7	8	9	Remark
			4-Dec	11-Dec	18-Dec	26-Dec	
1	Temperature	inlet	25	26	26.5	24.5	
		V2	25	26	26.5	24.5	
		V3	24.5	25.5	26	24.5	
		V4	24.5	25.5	26	24.5	
		V5	24.5	25.5	26	24.5	
		V6	24	25.5	26	24.5	
		V7	24	25.5	26	24.5	
		V8	24	25.5	25.5	25	
		V9	23.5	25.5	25.5	25	
		V10	23.5	25.5	25.5	25	
		outlet	23.5	25.5	25.5	25	
2	BOD5	inlet	1.36	12.78	9.44	2.30	
		V2	0.18	12.48	7.61	2.75	
		V3	0.35	11.57	8.42	2.75	
		V4	0.14	11.36	7.51	2.34	
		V5	0.32	12.07	7.51	2.30	
		V6	0.77	11.61	7.41	2.25	
		V7	0.09	10.96	7.12	2.30	
		V8	0.32	11.16	6.52	2.21	
		V9	0.23	8.62	5.59	2.07	
		V10	0.23	10.35	5.48	2.39	
		outlet	0.77	9.94	5.88	2.16	
3	COD	inlet	45.60	56.00	83.20	50.60	
		V2	44.90	53.40	85.40	52.20	
		V3	44.30	51.80	85.10	48.90	
		V4	44.00	48.40	83.20	46.10	
		V5	42.70	46.70	83.50	46.40	
		V6	42.40	48.00	82.20	50.60	
		V7	42.40	41.90	82.50	43.10	
		V8	41.70	41.60	80.30	43.20	
		V9	40.30	43.20	80.00	42.90	
		V10	41.50	36.80	80.30	43.50	
		outlet	40.80	48.30	79.10	43.20	
4	Suspended solid (SS)	inlet	121.00	53.00	85.00	225.00	
		V2	151.00	45.00	83.00	256.00	
		V3	76.00	25.00	170.00	71.00	
		V4	105.00	20.00	34.00	73.00	
		V5	53.00	26.00	103.00	81.00	
		V6	60.00	20.00	98.00	91.00	
		V7	42.00	40.00	84.00	101.00	
		V8	138.00	19.00	97.00	99.00	
		V9	93.00	35.00	120.00	126.00	
		V10	115.00	40.00	98.00	119.00	
		outlet	29.00	39.00	102.00	101.00	
5	NH4-N	inlet	2.460	26.420	10.100	0.757	
		V2	2.210	27.040	10.490	0.606	
		V3	2.270	25.560	9.630	0.536	
		V4	2.199	26.030	6.650	0.591	
		V5	2.310	26.420	7.050	0.426	
		V6	2.600	25.490	6.040	0.409	
		V7	2.810	24.940	5.440	0.388	
		V8	3.190	25.330	4.780	0.421	
		V9	3.820	25.800	4.270	0.406	
		V10	4.190	25.330	3.860	0.611	
		outlet	4.940	24.790	5.110	0.676	
6	NO2-N	inlet	0.510	0.050	0.266	0.118	
		V2	0.839	0.068	0.397	0.122	
		V3	0.793	0.131	0.891	0.198	
		V4	0.650	0.021	3.190	0.257	
		V5	0.456	0.150	1.530	0.258	
		V6	0.410	0.130	2.100	0.228	
		V7	0.626	0.140	2.370	0.190	
		V8	0.824	0.130	2.230	0.167	
		V9	0.948	0.140	2.100	0.182	
		V10	1.079	0.210	2.070	0.232	
		outlet	1.190	0.150	1.600	0.356	

VINH NIEM CONTACT PURIFICATION PLANT TEST RESULT
FOR THE MONTH OF DECEMBER 2000

No.	Analysis Item	Time	29-Dec-00				Remark		
			6 4-Dec	7 11-Dec	8 18-Dec	9 26-Dec			
7	NO3-N	inlet	0.050	0.170	0.010	0.050			
		V2	0.040	0.220	0.030	0.040			
		V3	0.050	0.190	0.020	0.010			
		V4	0.060	0.140	0.040	0.040			
		V5	0.070	0.140	0.010	0.060			
		V6	0.080	0.180	0.050	0.040			
		V7	0.110	0.280	0.010	0.050			
		V8	0.130	0.230	0.010	0.040			
		V9	0.140	0.170	0.010	0.060			
		V10	0.120	0.180	0.020	0.060			
		outlet	0.160	0.160	0.060	0.060			
		8	Total Nitrogen (T-N)	inlet	1.680	40.630	11.490	2.940	
				V2	1.400	36.150	10.920	2.560	
V3	1.820			31.380	9.250	1.960			
V4	0.980			38.130	12.050	1.820			
V5	1.820			36.150	5.950	1.700			
V6	2.520			33.340	4.480	1.700			
V7	1.400			33.060	3.080	1.540			
V8	1.680			32.500	2.240	0.700			
V9	1.820			30.540	2.800	0.980			
V10	2.240			30.260	1.400	1.401			
outlet	3.360			27.730	2.520	1.540			
9	Total Phosphorous			inlet	0.508	2.830	1.220	0.517	
				V2	0.457	2.790	1.150	0.497	
		V3	0.487	2.830	1.180	0.507			
		V4	0.541	2.740	0.990	0.546			
		V5	0.555	2.630	0.910	0.497			
		V6	0.633	2.650	0.820	0.527			
		V7	0.646	2.640	0.940	0.530			
		V8	0.713	2.530	0.920	0.563			
		V9	0.775	2.450	0.940	0.578			
		V10	0.810	2.270	0.950	0.652			
		outlet	0.931	2.250	0.920	0.660			
		10	Dissolved oxygen (DO)	inlet	4.60	3.30	5.70	5.10	
				V2	4.80	3.90	5.10	5.50	
V3	4.10			2.60	5.20	5.30			
V4	4.40			2.20	4.80	4.90			
V5	5.80			2.60	4.00	5.80			
V6	5.50			1.90	4.10	5.40			
V7	5.00			2.60	3.80	5.20			
V8	5.40			2.80	3.90	4.90			
V9	5.40			3.40	3.40	4.90			
V10	6.10			3.70	3.10	5.10			
outlet	6.60			5.20	4.20	7.40			
11	pH			inlet	7.20	7.30	7.40	7.40	
				V2	7.30	7.40	7.40	7.40	
		V3	7.30	7.40	7.50	7.40			
		V4	7.40	7.50	7.50	7.50			
		V5	7.40	7.50	7.50	7.50			
		V6	7.50	7.50	7.50	7.50			
		V7	7.60	7.60	7.60	7.50			
		V8	7.60	7.60	7.60	7.60			
		V9	7.70	7.70	7.60	7.60			
		V10	7.80	7.80	7.60	7.70			
		outlet	8.00	7.80	7.70	7.70			