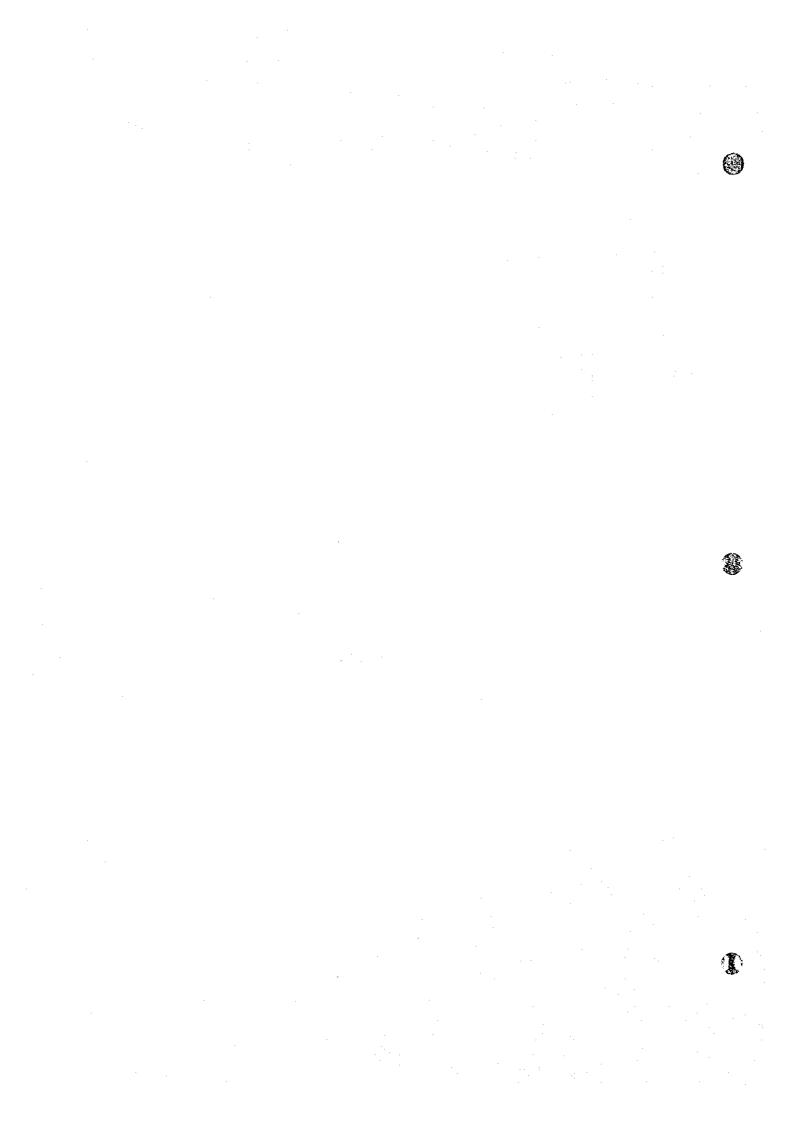
III.4 PASIG RIVER





SUMMARY OF LABORATORY TEST RESULTS -- WATCH POINT 5

| | - - 1 | Unit Wt. | Available | Specific | | Grain Size | Distribution | 1 | Soil |
|----------|-------------------|----------|-----------|----------|----------|------------|--------------|------------------|----------|
| Date of | Trial | | | - | % Gravel | % Sand | % Silt | % Clay | Class. |
| Sampling | No. | (kN/m³) | Moist. % | Gravity | | | 12* | - /v C.L./ | SM |
| | 1 | 18.24 | 21.54 | 2.60 | 17 | 71 | ******* | | ****** |
| 3-Jun | 2 | 18.04 | 21,74 | 2.60 | 6 | 80 | 14 | **************** | SM |
| 1995 | 3 | 18.14 | 20.16 | 2.59 | 7 | 81 | 12* | | SM |
| | Average | 18.14 | 21.15 | N.A. | 10 | 77 | 13* | | |
| | 1 | 10.10 | 85.15 | 2.50 | 0 | 16 | 48 | 36 | ML |
| 31-Jul | 2 | 9.81 | 85.59 | 2.43 . | 0 | 10 | 50 | 40 | ML |
| 1995 | 3 | 10.49 | 84.53 | 2.40 | 0 | 15 | 49 | 36 | ML_ |
| | Average | 10,13 | 85.09 | 2.44 | 0 | 14 | 49 | 37 | |
| | 1 | 11.96 | 64.36 | 2.59 | 0 | 34 | 45 | 20 | ML |
| 30-Aug | 2 | 11.77 | 67.92 | 2.58 | 0 | 33 | 67* | | ML |
| 1995 | 3 | 12.06 | 64,62 | 2.60 | 4 | 40 | 57 | <u> </u> | ML |
| | Average | | 65,63 | 2,59 | 1 | 36 | N.A. | N.A. | |
| | 1 | 10,20 | 96.65 | 2.37 | 0 | 9 | 59 | 32 | ML |
| 6-Sep | 2 | 1.10 | 97.43 | 2.39 | 0 | 4 | 64 | 32 | ML |
| 1995 | 3 | 10.00 | 97.23 | 2.35 | 0 | 7 | 59 | 34 | ML |
| | Average | 7.10 | 97.10 | 2.37 | 0 | 7 | 61 | 33 | |
| | 1 | 11.77 | 73.20 | 2.39 | 0 | 3 | 57 | 40 | ML |
| 14-Sep | 2 | 11.77 | 88.70 | 2.40 | 0 | 9 | 51 | 40 | ML |
| 1995 | 3 | 11.77 | 88.30 | 2.37 | 0 | 6 | 48 | 46 | CL-ML |
| | Average | 11.77 | 83.40 | 2.39 | 0 | 6 | 52 | 42 | <u> </u> |

Note:

- 1. Available moisture (%) is defined as the ratio of the wt. of water to the total wt. of sample in per 100% means practically zero sediments.
- 2. I.S. Insufficient sample for testing.
- 3. * Insufficient sample for hydrometer test.
- 4. Numbers with * indicate the cumulative amount of silt and clay.



PROJECT: SEDIMENTS SAMPLING FOR

THE MT. PINATUBO PROJECT

0.01

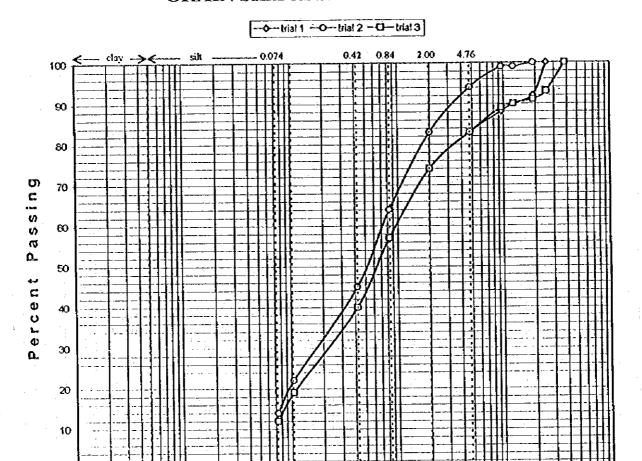
SITE: WATCH POINT 5 LOCATION: Pasig River

DATE SAMPLED: <u>June 3, 1995</u> DATE TESTED: <u>October 12, 1995</u>

SHEET NO. 1 of 1



GRAIN SIZE ANALYSIS CURVE



Diameter (mm)

10

| TRIAL NO. | SAMPLE NO. | OEPTH (m) | CURVE NO. | NMC | Щ | PŁ | PI | USCS | DESCRIPTION |
|-----------|------------|-----------|-----------|----------|----------|----------|----------|--------|--------------------------|
| 1 | | | 1 | | | 1 | | SM | *SAND |
| 2 | | : | 2 | | | | | SM | *SAND |
| 3 | | | 3 | | | | <u> </u> | SM | *SAND |
| | | | | | | | | | |
| | | | | | <u> </u> | | <u> </u> | | |
| | | | | • [| Descript | ion is t | oased o | n mech | anical sieve analysis or |
| | | | | <u> </u> | 1 | | | 1 | |

FORM NO. 94001A

0.001



SITE: WATCH POINT 5 LOCATION: Pasig River

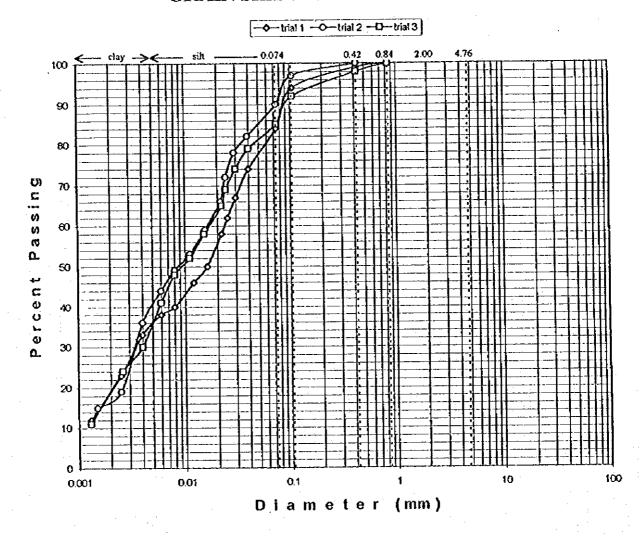
PROJECT: SEDIMENTS SAMPLING FOR

DATE SAMPLED: July 31, 1995 DATE TESTED: August 7, 1995

SEDIMENTS SAMPLING FOR SH
THE MT. PINATUBO PROJECT

SHEET NO. 1 of 1

GRAIN SIZE ANALYSIS CURVE



| TRIAL NO. | SAMPLE NO. | DEPTH (m) | CURVE NO. | NMC | u | Pl | Pl | USCS | DESCRIPTION |
|-----------|------------|-----------|-----------|-----|---|----|----|----------|------------------------------|
| 1 | | | 1 | | | | | ML | Clayey SILT, little amount o |
| | | | | | | | | | fine sand. |
| 2 | | | 2 | | | | | ML | - same - |
| 3 | | | 3 | | | | | ML | - same - |
| | | | | | | | | ļ | |
| | | | | | | | | <u> </u> | |
| . · | | | | | | | L | <u> </u> | |

FORM NO. 94-001A



PROJECT: SEDIMENTS SAMPLING FOR

THE MT. PINATUBO PROJECT

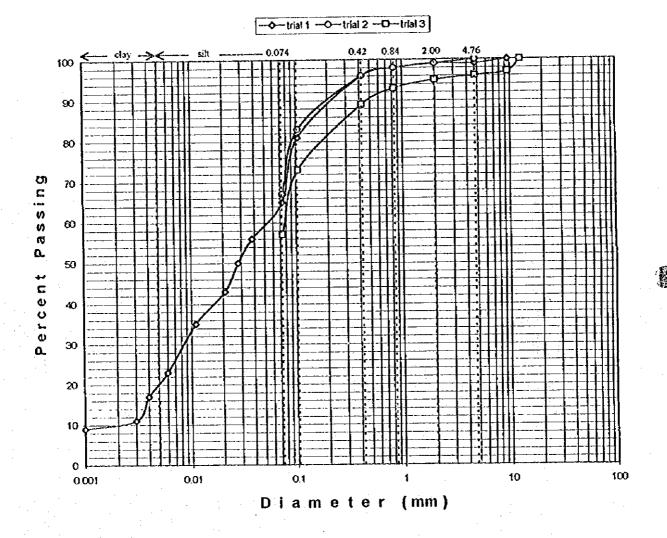
SITE: WATCH POINT 5 LOCATION: Pasig River

DATE SAMPLED: August 30, 1995

DATE TESTED: October 12, 1995

SHEET NO. 1 of 1

GRAIN SIZE ANALYSIS CURVE



| TRIAL NO. | SAMPLE NO. | DEPTH (m) | CURVE NO. | NMC | แ | PL | Pl | USCS | DESCRIPTICI: " |
|-----------|------------|-----------|-----------|-----|----------|-----------|----------|----------|-----------------------------|
| | | | 1 | | | | | ML | Sandy, clayey SILT |
| 2 | | | 2 | | | | | ML | *Sandy SILT |
| 3 | | | 3 | | | <u></u> . | <u> </u> | ML | *Sandy SILT |
| | | | | | | | ļ | ļ | |
| | | | | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | |
| | | | | • 1 | Descrip | tion is | based o | n mech | anical sieve analysis only. |
| | | | | | | • | | | 1 |

FORM NO. 94001A

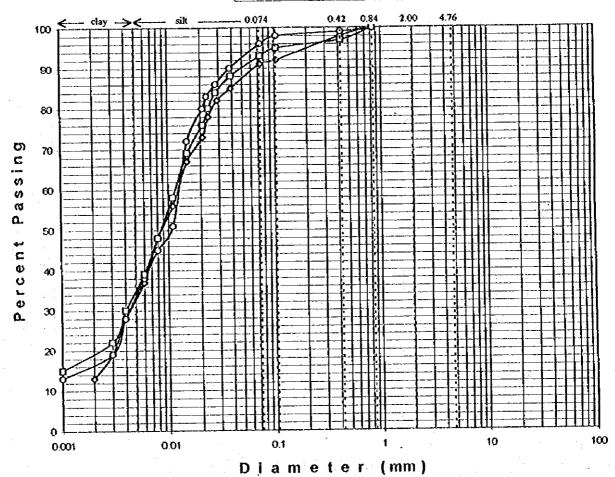


PROJECT: SEDIMENTS SAMPLING FOR THE MT. PINATUBO PROJECT

(1)

SITE: PASIG POTRERO
LOCATION: Pasig River
DATE SAMPLED: Sept. 6, 1995
DATE TESTED: Sept. 11, 1995
SHEET NO. 1 of 1

GRAIN SIZE ANALYSIS CURVE



| TRIAL NO. | SAMPLE NO. | DEPTH (m) | CURVE NO. | NMC | u | PL | Pl | USCS | DESCRIPTION |
|-----------|------------|-----------|-----------|-----|---|----|----|------|-------------|
| 1 | | | 1 | | | | | ML | Clayey SILT |
| 2 | | | 2 | | | | | ML | Clayey SILT |
| 3 | | | 3 | | | | | ML | Clayey SILT |
| | | | | | | | | | |
| , | | | | | | | | | |
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FORM NO. 94001A



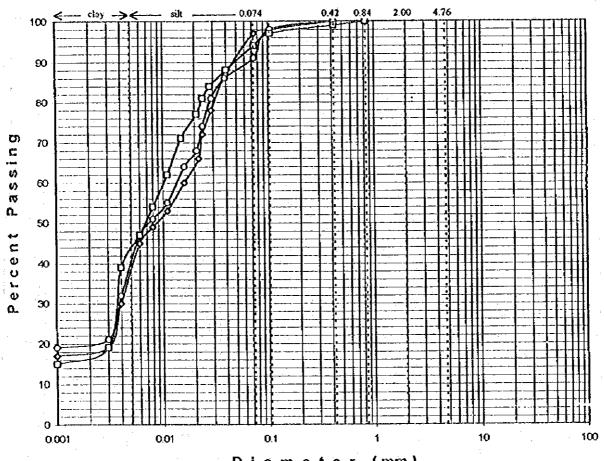
PROJECT: SEDIMENTS SAMPLING FOR THE MT. PINATUBO PROJECT SITE: PASIG POTRERO LOCATION: Pasig River DATE SAMPLED: Sept. 14, 1995

DATE TESTED: Sept. 18, 1995

SHEET NO. 1 011

GRAIN SIZE ANALYSIS CURVE

-- trial 1 -- O-trial 2 -- O-trial 3



Diameter (mm)

| TRIAL NO. | SAMPLE NO. | DEPTH (m) | CURVE NO. | NMC | Ш | PL | PI | USCS | DESCRIPTION |
|-----------|------------|-----------|-----------|------|---|----|------|----------|-------------|
| 1 | | | 1 | | | | | Ml. | Clayey SILT |
| 2 | | | 2 | | | | | ML | Clayey SILT |
| 3 | | | 3 | | | | | CL-ML | SILT & CLAY |
| | | | | | | | | <u> </u> | |
| | | | | | | | · | ļ | |
| | <u> </u> | | | | | | | | |



SUMMARY OF LABORATORY TEST RESULTS -- MANCATIAN

| Date of | | Unit Wt. | Available | Specific | (| Grain Size I | Distribution | n I | Soil |
|------------|---------|-------------|-----------|-------------------|----------|--------------|--------------|--------------|--------|
| | | | Moist. % | Gravity | % Gravel | % Sand | % Silt | % Clay | Class. |
| Sampling | No. | (kN/m³) | 21.54 | 2.60 | 17 | 71 | 12* | | SM |
| | | 18.24 | | 2.60 | 6 | 80 | 14 | | SM |
| 3-Jun | 2 | 18.04 | 21.74 | 2.59 | 7 | 81 | 12* | | SM |
| 1995 | 3 | 18.14 | 20.16 | ***************** | | 77 | 13* | <u> </u> | |
| / | Average | 18.14 | 21.15 | 2.60 | 10 | 10 | 52 | 38 | ML |
| | | 11.87 | 69.59 | 2.50 | 0 | 10 | 58 | 32 | ML |
| 15-Jເຫ | 2 | 11.47 | 69.59 | 2.49 | 0 | 15 | 55 | 30 | ML |
| 1995 | 3 | 11.87 | 67.78 | 2.47 | 0 | 12 | 74* | | 1110 |
| / | Average | 11.74 | 68.99 | N.A. | 0 | | 52* | | ML |
| | 1 | 13.53 | 48.38 | 2.58 | 11 | 37 | ****** | | ML |
| 5-Jul | 2 | 13.63 | 48.52 | 2.57 | 8 | 38 | 54* | | ML |
| 1995 | 3 | 13,53 | 45.71 | 2.56 | 23 | 32 | 45* | | 1930 |
| | Average | 13.56 | 47.54 | 2.57 | 14 | 36 | 50* | 30 | ML |
| | 1 | 10.89 | 82.22 | 2.52 | 0 | 9 | 61 | | |
| 31-Jui | 2 | 10.69 | 80.16 | 2.47 | 0 | 8 | 58 | 34 | ML |
| 1995 | 3 | 10.40 | 81.86 | 2.51 | 0 | 8 | 58 | 34 | ML. |
| | Average | 10.66 | 81.41 | 2.50 | 0 | 8 | 59 | 33 | ļ |
| | 1 | 10.98 | 82,22 | 2.51 | 0 | 17 | 58 | 25 | ML |
| 8-Aug | 2 | 10.69 | 80.16 | 2.50 | 0 | 15 | 66 | 19 | ML |
| 1995 | 3 | 10.79 | 81.16 | 2.52 | 0 | 14 | 64 | 22 | ML |
| - | Average | 10.82 | 81.18 | 2.51 | 0 | 15 | 63 | 22 | |
| | 1 | 17.65 | 25.66 | 2.60 | 2 | 81 | 17* | | SM |
| 8-Aug | 2 | 17.65 | 24.71 | 2.60 | 4 | 82 | 14* | | SM |
| 1995 | 3 | 17.65 | 25.33 | 2.59 | 2 | 83 | 15* | | SM |
| | Average | | 25,23 | 2.60 | 3 | 82 | 15* | | |
| | 1 | 16.97 | 33.81 | 2.64 | 5 | 74 | 21* | | SM |
| 25-Aug | 2 | 16.87 | 27.66 | 2.65 | 3 | 78 | 19* | | SM |
| 1995 | 3 | 17.06 | 24.71 | 2.64 | 5 | 81 | 14* | | SM |
| '''' | Average | | 28.73 | 2.64 | 4 | 78 | 18* | | 1 |
| | 1 | 10.59 | 83.25 | 2.35 | 0 | 9 | 62 | 29 | ML |
| 28-Aug | 2 | 9.91 | 82.15 | 2.45 | 0 | 9 | 57 | 34 | ML |
| 1995 | 3 | 9.91 | 81.43 | 2.41 | 0 | 8 | 58 | 34 | ML |
| ''' | Average | | 82.28 | 2.40 | 0 | 9 | 59 | 32 | |
| | 1 | 12.16 | 60.61 | 2.48 | 0 | 39 | 61* | | ML |
| 30-Aug | 2 | 12.55 | 55.96 | 2.46 | 1 | 45 | 54* | , | ML |
| 1995 | 3 | 13.04 | 52.60 | 2.48 | 2 | 49 | 49* | | ML |
| | , | 1.5,04 | 56.39 | 2.47 | <u> </u> | 44 | 55* | | |

Note:

- 1. Available moisture (%) is defined as the ratio of the wt. of water to the total wt. of sample in per 100% means practically zero sediments.
- 2. I.S. Insufficient sample for testing.
- 3. * Insufficient sample for hydrometer test.
- 4. Numbers with * indicate the cumulative amount of silt and clay.



1

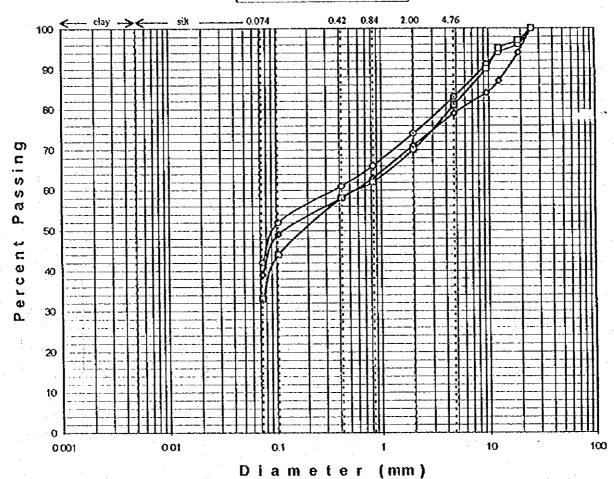
GRAIN SIZE ANALYSIS

PROJECT: SEDIMENTS SAMPLING FOR THE MT. PINATUBO PROJECT

SITE: Mancatian
LOCATION: Pasig River
DATE SAMPLED: June 3, 1995
DATE TESTED: October 12, 1995
SHEET NO. 1 of 1

GRAIN SIZE ANALYSIS CURVE

-O-trial 1 -O-trial 2 -O-trial 3



| TRIAL NO. | SAMPLE NO. | DEPTH (m) | CURVE NO. | NMC | u | PL | PI | USCS | DESCRIPTION |
|-----------|------------|---------------|-----------|-----|----------|----------|--------|---------|--------------------------|
| 1 | | | 1 | | | | | SM | *SAND & SILT |
| 2 | | | 2 | | | | | SM | *SAND & SILT |
| 3 | | | 3 | | | | | SM | *Silty SAND |
| | | | | | | | | | |
| | | · | | | | | | <u></u> | |
| | | | | • (| Descript | ion is b | ased o | n mech | anical sieve analysis on |
| ·-··· | | | | | } | | | | |

FORM NO. 94-001A





PROJECT: SEDIMENTS SAMPLING FOR

THE MT. PINATUBO PROJECT

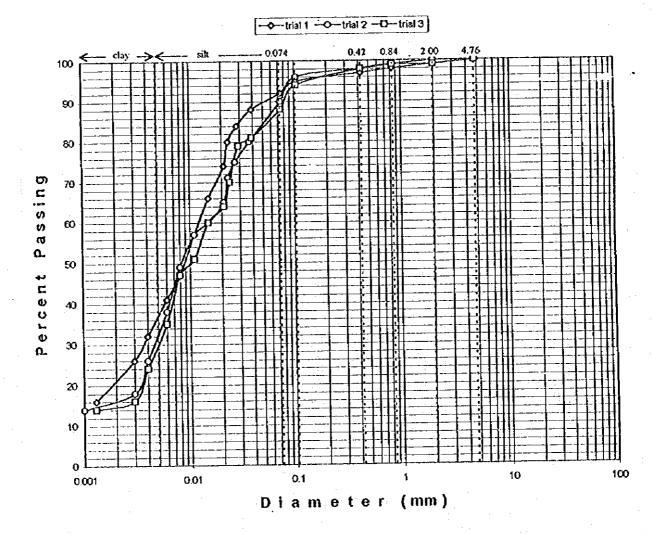
SITE: Mancatian

LOCATION: Pasig River

DATE SAMPLED: June 15, 1995 DATE TESTED: October 12, 1995

SHEET NO. 1 of 1

GRAIN SIZE ANALYSIS CURVE



| TRIAL NO. | SAMPLE NO. | DEPTH (m) | CURVE NO. | NMC | u | PL | Pi | uscs | DESCRIPTION |
|--------------|------------|-----------|-----------|----------|---|----|---------------|------|-------------|
| 1 | | | 1 | | | | | ML | Clayey SILT |
| . | | | 2 | | | | | ML | Clayey SILT |
| 3 | | | 3 | | | | | ML | Clayey SILT |
| | | | | | | | - | | |
| | | | | | | | | | |
| | | | | | | | | | |

FORM NO. 94-001A



PROJECT: SEDIMENTS SAMPLING FOR THE MT. PINATUBO PROJECT SITE: Mancatian

LOCATION: Pasig River

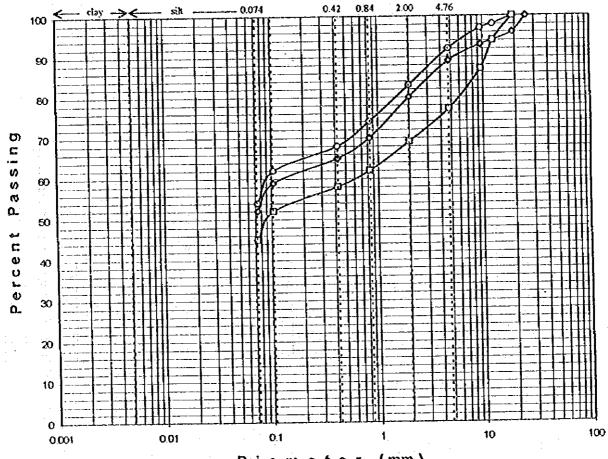
DATE SAMPLED: July 5, 1995

DATE TESTED: October 12, 1995

SHEET NO. 1 of 1

GRAIN SIZE ANALYSIS CURVE

-- trial 1 -- trial 2 -- U-trial 3



Diameter (mm)

| TRIAL NO. | SAMPLE NO. | DEPTH (m) | CURVE NO. | NMC | u | PL | Pi | USCS | DESCRIPTION |
|---------------|------------|-----------|-------------|-----|----------|----------|--------|--------|--------------------------|
| 1 |] | | 1 | | | | | ML | *Sandy SILT |
| 2 | | | 2 | | | | | ML | *Sandy SILT |
| 3 | | | 3 | | | | | ML | *Sandy SILT |
| | | | | | | | | | : |
| ., | | | | • [| Descript | ion is t | ased o | n mech | anical sieve analysis on |
| · | | | | | | | | 1 | |

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PROJECT: SEDIMENTS SAMPLING FOR THE MT. PINATUBO PROJECT

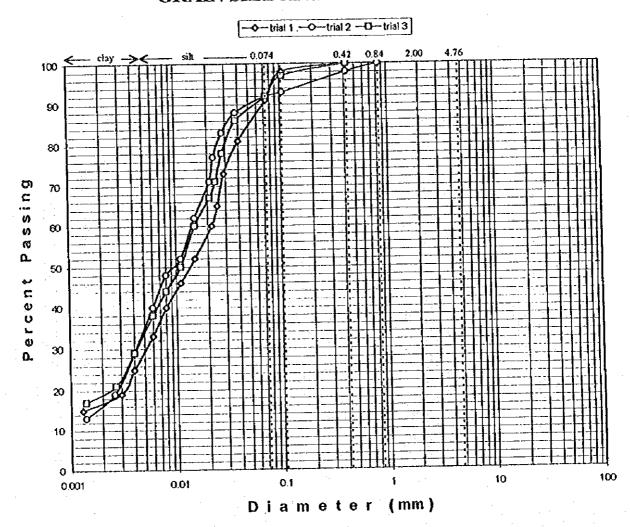
SITE: MANCATIAN

LOCATION: Pasig River

DATE SAMPLED: <u>July 31, 1995</u> DATE TESTED: <u>August 7, 1995</u>

SHEET NO. 1 of 1

GRAIN SIZE ANALYSIS CURVE



| TRIAL NO. | SAMPLE NO. | DEPTH (m) | CURVE NO. | NMC | u | PL | Pl | USCS | DESCRIPTION |
|-----------|------------|-----------|-----------|-----|----------|----------|----------|----------|------------------------------|
| 1 | | | 1 | | | | | ML | Clayey SILT, traces of sand. |
| 2 | | | 2 | i | | | | ML | - same - |
| 3 | | | 3 | | | | | ML | - same - |
| | | | | | | | ļ | ļ | |
| | | | | | | ļ | | <u> </u> | |
| | | | | | | <u> </u> | | | |
| | | | | | <u> </u> | <u></u> | <u> </u> | 1 | |
| FORM NO. | 94-001A | | | 111 | - 70 | | | | |



PROJECT: SEDIMENTS SAMPLING FOR

THE MT. PINATUBO PROJECT

SITE: Mancatian

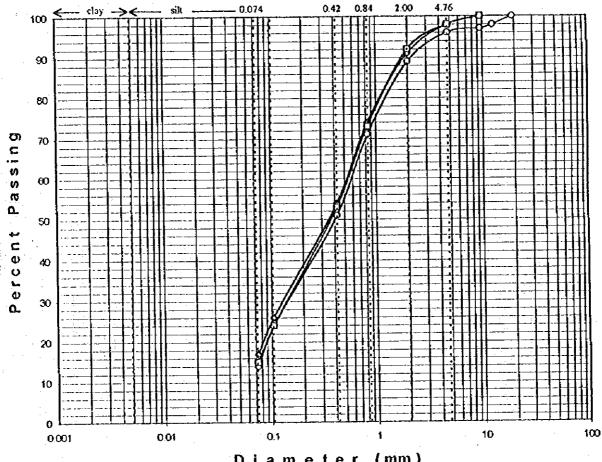
LOCATION: Pasig River

DATE SAMPLED: August 8, 1995

SHEET NO. 1 of 1

DATE TESTED: October 12, 1995

GRAIN SIZE ANALYSIS CURVE



Diameter (mm)

| TRIAL NO. | SAMPLE NO. | DEPTH (m) | CURVE NO. | NMC | ш | PL | Pi | uscs | DESCRIPTION |
|-----------|------------|-----------|-----------|-----------|----------|-----------|----------|----------|-----------------------------|
| 1 | | | 1 | | | | l | SM | *SAND, little amt. of silt |
| 2 | | | 2 | | | | | SM | *SAND, tittle amt. of silt |
| 3 | | | 3 | | | | <u> </u> | SM | *SAND, little amt. of silt |
| | | | | | | | | <u> </u> | <u> </u> |
| | | | | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | |
| <u></u> | | | | * | Descrip | tion is t | ased o | n mech | anical sieve analysis only. |
| | i . | | | | | | | <u> </u> | |

TOPM NO. 94-001A

111 - 71







PROJECT: SEDIMENTS SAMPLING FOR THE MT. PINATUBO PROJECT

SITE: MANCATIAN LOCATION: Pasig River

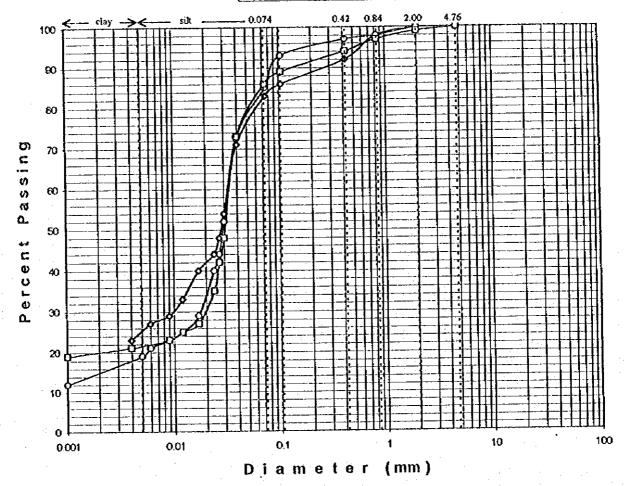
DATE SAMPLED: August 8, 1995

DATE TESTED: August 11, 1995

SHEET NO. 1 of 1

GRAIN SIZE ANALYSIS CURVE

-0-trial 1 -0-trial 2 -D-trial 3



| TRIAL NO. | SAMPLE NO. | DEPTH (m) | CURVE NO. | NMC | u | PL | Pl | USCS | DESCRIPTION |
|-----------|------------|-----------|-----------|-----|---|----|----|----------|------------------|
| 1 | | | 1 | | | | | ML | SILT, with clay. |
| | | | 2 | | | | | ML | SILT, with clay. |
| 2 | | | 3 | | | | | ML | SILT, with clay. |
| 3 | | | | | | | | <u> </u> | |
| | | | | | | | | | |
| · | | | | | | | | | |
| | | | | | | | | | |

FORM NO. 94 001A





SITE: Mancatian LOCATION: Pasig River

DATE SAMPLED: August 25, 1995

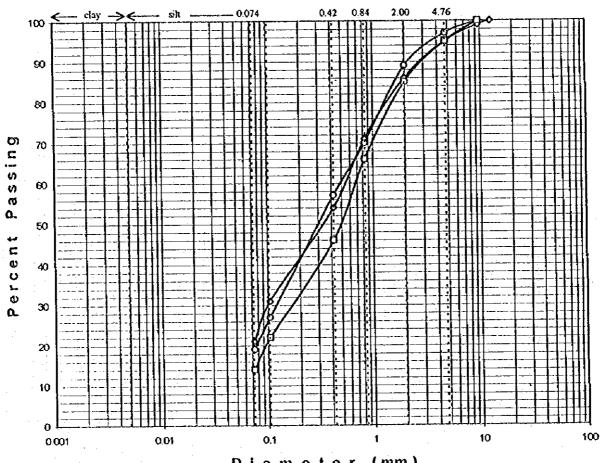
DATE TESTED: October 12, 1995

SHEET NO. 1 of 1

PROJECT: SEDIMENTS SAMPLING FOR

THE MT. PINATUBO PROJECT

GRAIN SIZE ANALYSIS CURVE



Diameter (mm)

| TRIAL NO. | SAMPLE NO. | DEPTH (m) | CURVE NO. | NMC | ii. | PL | Pl | USCS | DESCRIPTION |
|-----------|------------|-----------|-----------|-----|----------|----------|----------|----------|---------------------------|
| 1 | | | 1 | | | | | SM | *SAND, some silt |
| 2 | | | 2 | | | | | SM | *SAND, some silt |
| 3 | | | 3 | | | | | SM | *SAND, little silt |
| | | | | | | | ļ | | |
| | | | | | | | <u> </u> | <u> </u> | |
| | | | | * [| Descript | ion is t | pased o | n mech | anical sieve analysis onl |
| | | | · · | | | | ļ | | |

FORM NO. 94 001A





PROJECT: SEDIMENTS SAMPLING FOR

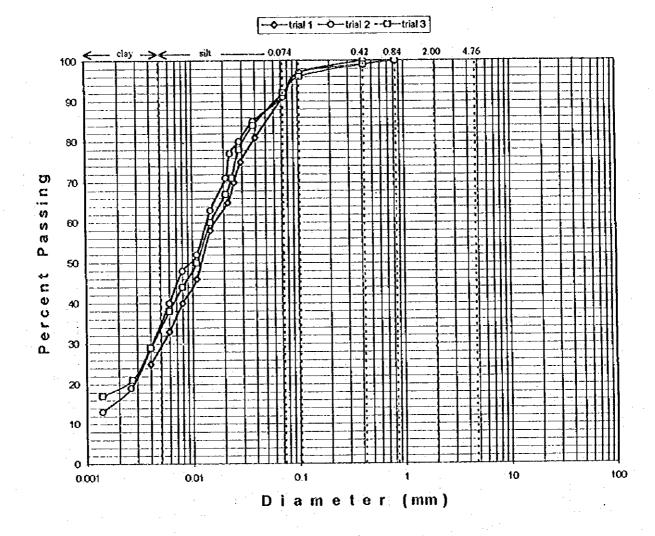
THE MT. PINATUBO PROJECT

SITE: MANCATIAN LOCATION: Pasig River

DATE SAMPLED: <u>August 28, 1995</u> DATE TESTED: <u>August 31, 1995</u>

SHEET NO. 1 of 1

GRAIN SIZE ANALYSIS CURVE



| TRIAL NO. | SAMPLE NO. | DEPTH (m) | CURVE NO. | NMC | u | PL | Pi | USCS | DESCRIPTION |
|--------------|------------|-----------|-----------|-----|---|----|----------|------|------------------|
| 1 | | | 1 | | | | | ML | Clayey SILT |
| 2 | | | 2 | | | | | ML | Clayey SILT |
| 3 | | | 3 | | | | | ML | SILT, with clay. |
| | | | | | | | | | |
| | | | | | | | | | |
| 4 | | | | | | | <u> </u> | | |
| - | | | | 1 | | ļ | | | |





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GRAIN SIZE ANALYSIS

SITE: MANCATIAN LOCATION: Pasig River

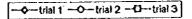
DATE SAMPLED: August 30, 1995

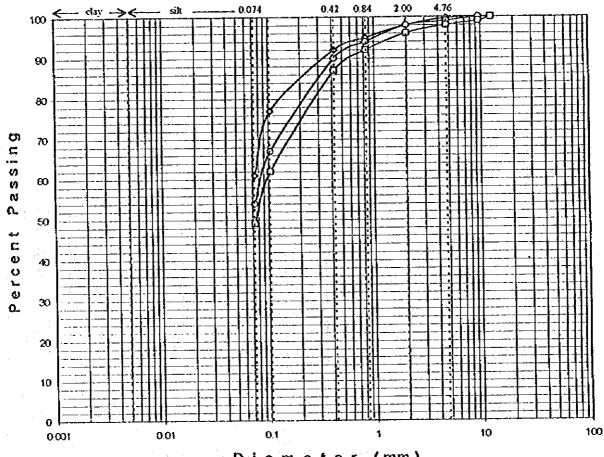
DATE TESTED: October 12, 1995

SHEET NO. 1 of 1

PROJECT: SEDIMENTS SAMPLING FOR THE MT. PINATUBO PROJECT

GRAIN SIZE ANALYSIS CURVE





Diameter (mm)

| TRIAL NO. | SAMPLE NO. | DEPTH (m) | CURVE NO. | NMC | แ | PL | Pl | USCS | DESCRIPTION |
|-----------|------------|-----------|-----------|-----|----------|----------|----------|----------|---------------------------|
| 1 | | | 1 | | | | | ML | *Sandy SILT |
| 2 | | | 2 | | | | | ML | *Sandy SILT |
| 3 | | | 3 | | | | <u> </u> | ML | *Sandy SILT |
| | | | | · | | | <u></u> | | |
| | | | | • | <u> </u> | <u> </u> | <u> </u> | <u> </u> | |
| | <u> </u> | | | * [| Descript | ion is t | pased o | n mech | anical sieve analysis onl |

FORM NO. 94-001A



SUMMARY OF LABORATORY TEST RESULTS -- STA. BARBARA

| | | | | · · · · | | Grain Size | Distribution | | Soil |
|----------|---------|------------|-----------|----------|----------|------------|--------------|--------|--------|
| Date of | Trial | Unit Wt. | Available | Specific | | | | 1 | |
| Sampling | No. | (kN/m^3) | Moist. % | Gravity | % Gravel | % Sand | % Silt | % Clay | Class. |
| | 1 | 13.63 | 46.96 | 2,57 | 4 | 62 | 34* | | SM |
| 25-Aug | 2 | 13.53 | 46.60 | 2.57 | 11 | 56 | 33* | | SM |
| 1995 | 3 | 13.93 | 40.48 | 2.58 | 14 | 61 | 25* | | SM |
| .,,, | Average | 13.70 | 44.68 | 2.57 | 10 | 60 | 31* | | |
| | 1 | 11.87 | 66.26 | 2.46 | 0 | 19 | 61 | 20 | ML |
| 30-Aug | 2 | 11.47 | 66.08 | 2.47 | 0 | 20 | 80* | | ML |
| 1995 | 3 | 12.06 | 65.29 | 2.46 | 0 | 24 | 76* | | ML |
| 1775 | Average | | 65,88 | 2,46 | 0 | 21 | N.A. | N.A. | |

Note:

- 1. Available moisture (%) is defined as the ratio of the wt. of water to the total wt. of sample in per 100% means practically zero sediments.
- 2. I.S. Insufficient sample for testing.
- 3. * Insufficient sample for hydrometer test.
- 4. Numbers with * indicate the cumulative amount of silt and clay.



PROJECT: SEDIMENTS SAMPLING FOR THE MT. PINATUBO PROJECT SITE: STA, BARBARA LOCATION: Pasig River

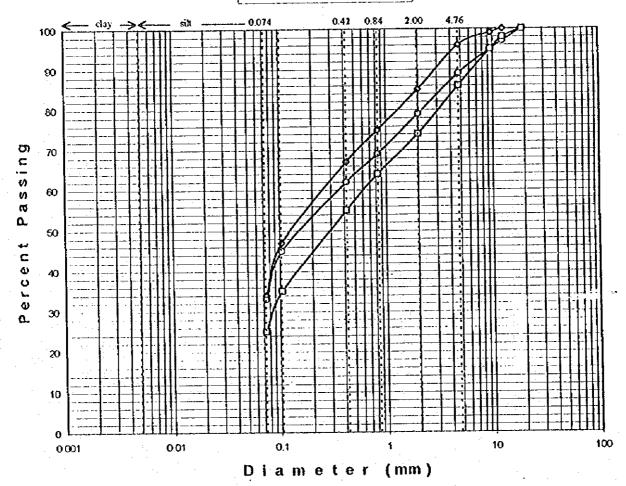
DATE SAMPLED: August 25, 1995

DATE TESTED: October 12, 1995

SHEET NO. 1 of 1

GRAIN SIZE ANALYSIS CURVE

-0-trial 1 -0-trial 2 -D-trial 3



| TRIAL NO. | SAMPLE NO. | DEPTH (m) | CURVE NO. | NMC | ll | PL | PI : | uscs | DESCRIPTION |
|-----------|------------|-----------|-----------|-----|---------|-----------|--------|----------|--------------------------|
| 1 | | | 1 | | | | | SM | *Sifty SAND |
| 2 | | | 2 | | | | | SM | *Silty SAND |
| 3 | | | 3 | | | | | SM | *Silty SAND |
| | | | | | | <u> </u> | | <u> </u> | |
| | | | | • (| Descrip | tion is b | ased o | n mech | anical sieve analysis on |
| | 1 | | | | | | | | |

FORM NO. 94001A



.....

SITE: STA. BARBARA

LOCATION: Pasig River

DATE SAMPLED: August 30, 1995

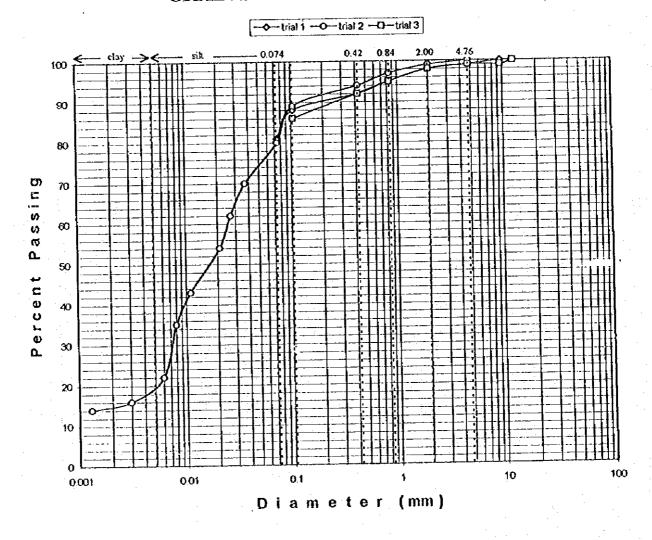
DATE TESTED: October 12, 1995

SHEET NO. 1 of 1

PROJECT: SEDIMENTS SAMPLING FOR THE MT. PINATUBO PROJECT

UBO PROJECT

GRAIN SIZE ANALYSIS CURVE



| TRIAL NO. | SAMPLE NO. | DEPTH (m) | CURVE NO. | NMC | lL | PL | Pl | uscs | DESCRIPTION |
|---------------------------------------|------------|-----------|-----------|-------------|----------|-----------|----------|----------|--------------------------|
| | | | 1 | | | | | ML | Clayey SILT |
| · · · · · · · · · · · · · · · · · · · | | i | 2 | | | | | ML | *SILT, some sand |
| 3 | | | 3 | | | | | ML | *Sandy SILT |
| | | | | | | | | ļ | |
| | | | | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | |
| | | | | • | Descrip | tion is t | oased c | n mech | anical sieve analysis on |
| | | | | | Descrip | tion is t | pased C | n mecn | lanical sieve anarysis |

FORM NO. 94-001A

影響

DATABOOK EXTENT OF DAMAGE (DB.5)

DATABOOK (DB.5) EXTENT OF DAMAGE

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PART I

EXTENT OF DAMAGE

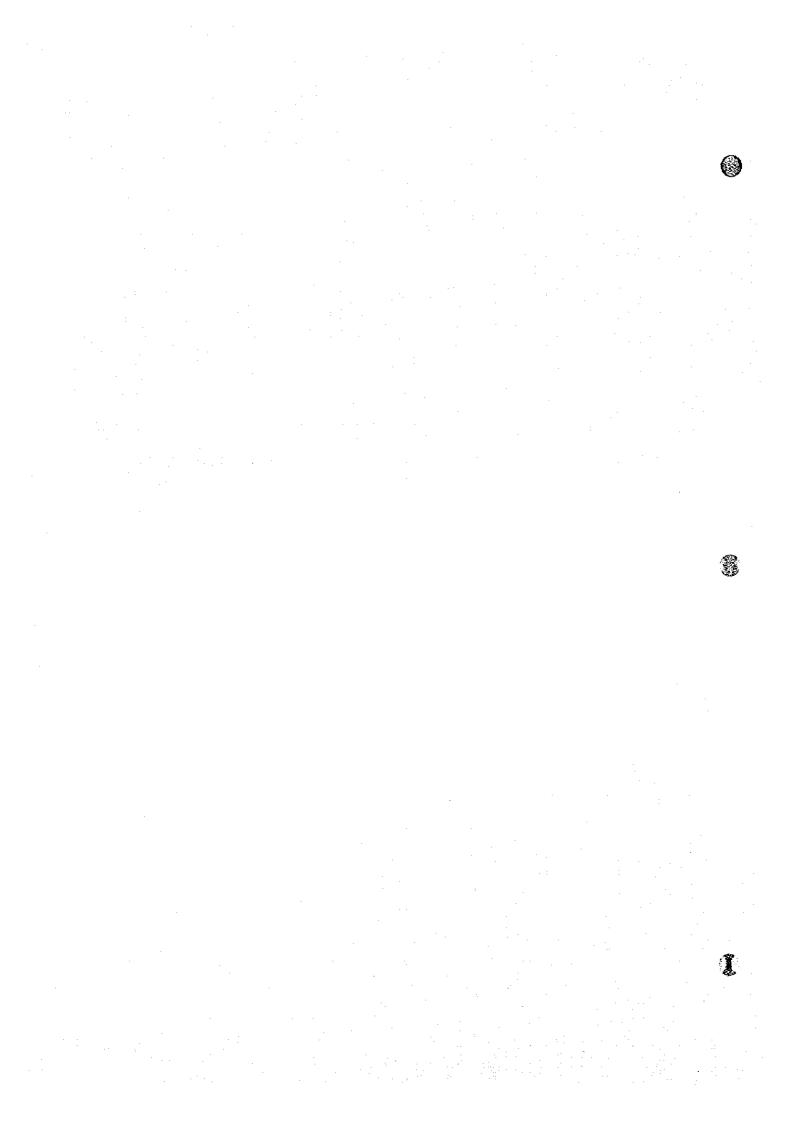


Table I.1 Area Affected by Mt.Pinatubo Eruption

REGION III

| | TO | TAL | AREA AFFI | ECTED BY | ASH/SA | |
|-------------|---------|---------------|--------------|-----------|------------|--------|
| PROVINCE | AREA | FARMER | 3 inch below | 311 - 611 | 6" above | TOTAL |
| ı. BATAAN | 15,877 | 10,374 | 2,692 | 8,915 | 167 | 11,774 |
| 2. PAMPANGA | 61,791 | 34,503 | 7,436 | 22,049 | - . | 29,485 |
| 3. TARLAC | 84,123 | 53,573 | 5,652 | 22,950 | - | 28,602 |
| 4. ZAMBALES | 23,576 | 16,830 | 2,535 | 5,463 | 11,826 | 19,824 |
| TOTAL | 185,367 | 115,280 | 18,315 | 59,377 | 11,993 | 89,685 |

Table I.2 Crop Area Damaged by Lahar

| The state of the s | 199 | 1 | 199 |)2 | TOT | |
|--|--------|--------|------------|--------|----------|-------------|
| MUNICIPALITY | FARMER | AREA | FARMER | AREA | FARMER | AREA |
| | (no.) | (ha.) | (no.) | (há.) | (no.) | (ha.) |
| TARLAC: | | | | | | |
| 1. Moncada | 544 | 965 | 1,744 | 2,203 | 2,288 | 3,168 |
| 2. Concepcion | 1,597 | 4,200 | 655 | 1,377 | 2,252 | 5,57 |
| 3. Capas | 1,254 | 2,620 | 171 | 321 | 1,425 | 2,94 |
| 4. Bamban | 506 | 882 | 309 | 553 | 815 | 1,43 |
| 5. Paniqui | 434 | 435 | 793 | 858 | 1,227 | 1,29 |
| 6. Camiling | 563 | 846 | 357 | 223 | 920 | 1,06 |
| 7. La Paz | 45 | 100 | 0 | 0 | 45 | 10 |
| 8. Tarlac | 244 | 936 | 717 | 117 | 961 | 1,05 |
| 9. Gerona | 0 | 0 | 2 | 1 | 2 | |
| Sub-Total | 5,187 | 10,984 | 4,748 | 5,653 | 9,935 | 16,63 |
| PAMPANGA: | | | | | | |
| 1. Angeles City | 400 | 672 | 0 | | | 67 |
| 2. Floridablanca | 825 | 1,051 | 16 | | 841 | 1,07 |
| 3. Guagua | 15 | 26 | 38 | l . | i : | 11 |
| 4. Lubao | 48 | 75 | 121 | | | 20 |
| 5. Magalang | 52 | 148 | 362 | 795 | i | 94 |
| 6. Mexico | 849 | 1,806 | | | 1 | |
| 7. Porac | 232 | 228 | 176 | 299 | 1 | 52 |
| 8. Sta. Ana | 286 | 437 | 0 | 1 0 | | i e |
| 9. San Simon | 84 | 206 | | | 1 | |
| 10. Bacolor | 758 | 1,272 | | 4 | | 3 |
| 11. Sta. Rita | 176 | 269 | | • | ı | |
| 12. Mabalacat | 145 | 192 | 3 | | | |
| 13. Minalin | 70 | · | | | | |
| Sub-Total | 3,940 | 6,525 | 1,300 | 3,077 | 5,246 | 9,6 |
| Fishpond Area | • | | | 1 | l | |
| 1. Minalin | : 248 | 1 | 3 . | | 248 | |
| 2. Sasmuan | 480 | • | i | 1 | 480 | 1 . |
| 3. Lubao | 120 | | | | 120 | |
| Sub-Total | 848 | 2,632 | ! |) (| 848 | 2,6 |
| ZAMBALES: | | 1 | | | | ٠, , |
| 1. Botolan | 997 | | 1 | 320 | | |
| 2. Sn. Felipe | 65 | | | - 5 | 0 65 | |
| 3. Sn. Narcisco | 274 | | 1 | | | |
| 4. Sn. Marcelino | 269 | | | | | 1 |
| 5. Castillejios | 48 | | | | 0 48 | |
| Sub-Total | 1,653 | ~~~~~ | | | | |
| GRAND TOTAL | 11,628 | 21,97 | 6,30 | 4 9,29 | 2 17,937 | 2 31,2 |

Source: DEPARTMENT OF AGRICULTURE, Region III

Table I.3 Damage of Agricultural Products in Region III

| TRUIC I'O | Damage or trenterior | |
|-----------|--|-----------------|
| | By Ashfall Enclude Lahar as of July 12, 19 |) 91 |
| | D) Asidan Bircitote I | ar s |

| | By Ashfal | i Enclude Laha | r as of July 12, 19 | 91 | | |
|--|---------------|----------------|---------------------|------------|--------------|------------------|
| PARTICULAR | BATAAN(\$1) B | ULACAN(\$2) | PAMPANGA | TARLAC | AMBALES(\$3 | TOTAL |
| 1. RICE | | - | . 1 | | 2 204 | 18,202 |
| No. of farmers affected | 1,364 | Į. | 8,871 | 5,183 | 2,784 | 18,202 |
| a. Area affected (ha.) | | İ | | أممده | 164 | 11,916 |
| - Vegetative | 74 | 1 | 7,797 | 3,890 | 156 | |
| - Harvestable | 843 | 63 | 960 | | 385 | 14,172 25,260 |
| - Seedlings (cav) | 1,735 | 568 | 8,442 | 5,254 | 7,005 | 25,260 |
| b. Est. Production Loss | | | | | . [| |
| (50 kg. cavan) | 1 | | 1 | ļ | | (02.330 |
| - Vegetative | 705 | | 457,116 | 223,364 | 1,135 | 682,320 |
| - Harvestable | 70,715 | 5,189 | 65,906 | | 31,825 | 173,635 |
| - Seedlings (cav) | 1,735 | 568 | 8,442 | 5,254 | 7,005 | 23,004 |
| c. Est. Value of Loss (P) | | | | | | |
| P 300/50 kg. | | | | | - : | 22454550 |
| - Vegetative | 162,000 | | 137,134,800 | 67,009,200 | 340,500 | 204,646,500 |
| - Harvestable | 17,182,730 | 1,556,790 | 19,771,875 | | 9,547,500 | 48.058.89 |
| | 533,550 | 204,480 | | 1,891,440 | | 6,906,220 |
| - Seedlings (cav) Sub-total | 17,878,280 | 1,761,270 | | 68,900,640 | 11,989,500 | 259.611.61 |
| 2. ASSORTED VEGETABLES | | | | | <u> </u> | |
| a, Area affected (ha.) | 179 | 111 | 204 | 119 | | 64 |
| b. Est. Prod. Loss (MT) | 491 | 332 | 1,827 | 379 | | 3,65 |
| c. Est. Value of Loss (P) | 4,307,000 | 1,657,500 | 20,422,600 | 1,516,000 | 4,710,000 | 32,613,10 |
| 3. ASSORTED ROOT CROPS | 1,507,004 | | | | 1 | - 0- |
| | | | 1,323 | 207 | | 2,07 |
| a. Area affected (ha.) b. Est. Prod. Loss (MT) | ' | • | 13,814 | 3,304 | | 20,17 |
| c. Est. Value of Loss (P) | | - | 159,708,365 | 8,113,000 | 14,970,090 | 182,791,36 |
| 4. ASSORTED FRUIT TREES | 1 | 1 1 | | | | |
| | 456,979 | * * | 447,343 | 109,045 | | 1,534,28 |
| a. Fruit trees affected (No.) | 123,838,790 | | 10,000,000 | 65,629,750 | | 500,105.21 |
| b. Est. Value of Loss (P) | 128,145,790 | 1,657,50 | | | 320,316,675 | 715,509,68 |
| Sub-total 5. LIVESTOCK & POULTRY | 120,13,130 | | | | | |
| a. Animals affeted (head) | | | | | | |
| and the second s | 74 | | 3 735 | 23. | | |
| - Carabao | 103 | | 4 33 | | | |
| - Cattle | 375 | | 4 8,250 | 37 | | |
| - Swine | 118 | | 1,73 | 5 42 | 0 215 | 1 |
| - Goat | 12 | | 1 | | 1 | |
| - Horse | 1,565 | 16 | 2 10,40 | 7,71 | | 19,8 |
| - Duck | 1,819 | 74 | · 1 | | 10,034 | |
| - Chicken | 1,017 | | 4,00 | ol | | 4,0 |
| - Quail | | | | 1 | | |
| b. Est. Value of Loss (P) | 444,000 | 30.00 | 5,400,00 | 0 2,350,00 | | |
| - Carabao | 618,000 | | | | 1,604,000 | |
| - Cattle | 300,000 | | | | 7,700,30 | 32,788, |
| - Swine | 35,400 | | | | 00 125,250 | |
| - Goat | 72,000 | 1 | | | 5,00 | 0 77.9 |
| - Horse | 117,375 | | 50 676,06 | 578,4 | 75 | 1,384, |
| - Duck | 72,760 | | L . | - 1 | | |
| - Chicken | 12,100 | 23.0 | 52,00 | - i | | 52, |
| - Quail | 1.0000 | 349.2 | | | 75 12,590,08 | 0 130,020, |
| Sub-Total | 1,659,535 | 349.2 | 30 .03,031,12 | <u> </u> | | , |
| 6. FISHERIES | | | | | | 1 |
| a. Inland fishpond | İ | 1 | 550,00 | 1,400,0 | 944,00 | 0 2,894 |
| - Stock Fingerlings (pcs | .) [| .i | 13,1: | | 33 | 1 . |
| - Area affected (ha.) | 2.18 | [‡] [| | | | * |
| - Est. value of stock los- | s | | 16,980,00 | | 5,619,75 | L |
| facilities/infrastructure | loss (P) | <u> </u> | 30,382,00 | | | |
| Sub-Total | } | | 47,362,0 | WI 1,631,3 | 4,51,11,0 | |

Table I.3 Damage of Agricultural Products in Region III

| ** | _ | | |
|------------|-------------|-----------------------|---|
| By Ashfall | Enclude Lab | ar as of July 12, 199 | 1 |

| | By Ash | fall Enclude Lah | ar as of July 12. I | 791 | | |
|---|------------------------|------------------|---------------------|--|---------------|-----------|
| PARTICULAR | BATAAN(\$1) | BULACAN(\$2) | PAMPANGA | TARLAC | ZAMBALES(\$3 | TOTAL |
| National Project (Income Generating | Project) | | | | | 1 |
| 7. SMALL SCALE IGP | Ţ | | | | | |
| - Assorted Projects (No.) | 29 | | 641 | 21 | | 691 |
| (4-Hers & RIC's) | | | | | | |
| Est. value of loss (P) | 251,000 | | 996,250 | 32,638 | | 1,279,888 |
| 8. L.E.A.D. Projects | | | | | | |
| -1.D. a/ | 5 | , | 1 | . 3 | ı ı | 10 |
| - Est, value of loss (P) | 482,000 | | 37,000 | 102,000 | 126,000 | 747,000 |
| Institute Development Project | | | | | | |
| -I.D. 6/ | | | | Ì | 9 | 9 |
| - Est. value of loss (P) | · | | | | 602,920 | 602,920 |
| Income Gemerating Project | ν. | | | 1 | . | |
| Sub-Total | 733,000 | 0 | 37,000 | 102,000 | 728,929 | 1,349,929 |
| 9. SWIP | ,,,,,,,, | | | <u> </u> | | |
| Small Water Impounding Project | 1 | | | | | |
| - SWIP affected (no.) c/ | ો વ | | 6 | . 1 | 4 | 14 |
| - Est. value of loss (P) | 120,000 | | 890,000 | 75,000 | 300,000 | 1,385,000 |
| Sub-Total | 120,000 | | 890,000 | | | 1,385,000 |
| 10. FACILITIES | 120,000 | | | | | |
| a. Sacobia Seed Fara at | | | | | | |
| Bamban, Tarlac | | | | | | |
| - Assorted fruit tree (no.) | | | | 6,445 | .] | 6,445 |
| - Value of Loss (P) | | | | 911,000 | | 911,000 |
| - Value of Loss (F) - Assorted seedlings | | | | 32,000 | 1 | 32,000 |
| · Value of Loss | | | | 292,000 | | 292,000 |
| - Infrastructures/Buildings | | | | 9 units | | 0 |
| - Value of Loss | | | | 565,000 | | 565,000 |
| Sub-Total | | <u> </u> | | 1,768,000 | - | 1,768,000 |
| b. Zambales | | | <u> </u> | | 1 | |
| - Soils Laboratory, Iba | | | | 1 | 30,000 | 30,000 |
| - Provincial Nursery, Iba | | 1 | | | 387,000 | |
| - Farmer's Pavillion, Iba | | | # · · | | 150,000 | |
| - Provincial Office, Iba | | |] | | 150,000 | |
| | | • | | : | | |
| - Nat'l Bangus Breeding Project, Masinloc | | 1 . | | | 75,200 | 75,200 |
| - Zamb. Breeding Station. | | 1 | | | 1 | |
| - Zamb. Breeding Station, San Marcelino | | | 1 | | 850,000 | 850,000 |
| - Magsaysay Memorial Fish | I Nursani Castillai | 05 | | | 1 | |
| | Indiscry Castille) | Ĭ | | 1 | 250,000 | 250,000 |
| Castillejos | | + | | | 1,892,200 | |
| Sub-Total | 148,536,60 | 3,768,02 | 0 507,333,13 | 0 152,932,36 | | |
| GRAND TOTAL | 1 145,330,00 | 3,100,02 | VI 201,222,12 | 01 102(102)00 | 2 222,220,13 | |

Note:

\$ 1 - Riceland heavily silted is estimated at 2,822 hectares.

\$ 2 - Include damage caused by Typhoon Diding.

\$3 - About 12,000 hectares of riceland are covered by 6-8 inches of volcanic sud and ashes.

Remarks: al solar driers covered with ashfall/sand/volcanic nud

b/ stock and facilities

c/ washout embankments and entrance of main canal, silted and covered with volcanic ash/sand/nud.

Source: Department of Agriculture, Region III



Table 1.4 Damage to Reforestration Project as of July 31, 1991

| | 1 | | | | DAM. | AGES | white | | Location | Estimated | Rehab. | Remarks |
|---------------------|------------------|-------------------|-------------|-------------|--------------------|------------------|--------------------------|---------------------|---|------------------------------|---|--|
| Penra Cenra | Fundin Source | i 4 | krea ha) | SDLGS 7 | ccess Road (KM) | Feethpath | Look-out Tower (Unit) | Bunkhouse (Unit) | | Cost of Damage | Measures Recommended | |
| Zambaics | | | | | (4412 | | <u> </u> | | | | | ļ. |
| Masinloc Borolan | | - 1 | 1 | NONE | | | | | aot indicated in | | 1 | - |
| portural | 1 | J | | ł | | 5,000 | _ | 2 | the report | 738.457.00 | . | 1 |
| | ADB OECF | | 100 604 | . | 1.85 13.46 | 30.200 | 7 | 9 | -do- | 5,531,779,10 | • | |
| | Regular Fu | | ~- | l | | | | | -¢⊳ | 774.057.34 | | İ |
| | by Co | | 79 1435 | · [| - ' | 3.950 | | | -60- | | | |
| Sub-Teta! | - by Adı | | 2218 | | 15.31 | 39.150 | , | 11 | | 7.044,293,44 5,427,499.60 | | |
| Olongago | ADB | - | 509.32 | 506,304 | 7.25 | 5.37 | 12 | 13 | Caung, Subic, Zambales, Tawirang Balite, Sta. Risa | 3,427,499,00 | | |
| | | ı | ļ | l | | | .* | | Queson City, So, Payedpod | | | |
| | Ì | | • | ļ | | | | i | Sta. Fe, San Marcelino. Zantolics | | | - |
| · | | . 1 | 217 | 540.981 | _ | ١. | 7. | 57 | So. Lubol, Sue Fe. San | 1.275,017 | | j |
| | OECT | | 257 | 340301 | | | | 1 | Marcelino, Zambales, So. | | 1 | ì |
| | 1 | ı | l | | | | | 1 | Tarudor, Sta. Fe. San Marcelmo, Zamèsies | | | |
| | İ | | 1 | | | 1 | 1 | | So. Payudgod, Sta. Fe. | | | |
| 1 | | ı | | | | l | | 5 | San Marcelino, Zambales Cawag, Subic, Zambales, | 1,950,100.30 | , . ! | ì |
| | Regular | . | 247 | 139,916 | 1.8 | 2.6 | 5 | ' | Palaran, Aglao, San | | | |
| 1 | 1 | | ı | | | i | | | Marcelino, Zambeles, Sto. | | | |
| | . | - | - | | | | | | Liberiad, Sta Fe, San Marcelino, Zambales | ; | | |
| | | | 813.32 | 9,187,201 | 9.05 | 7.97 | 24.00 | 74.00 | | 8,652,611.9 | 0 | |
| Sub-Total Tarlac | | | | | | | | | | | | , |
| | | | - 1 | | | 1 | | | | | 1 | |
| Cabas | ADB | | 3455 | 1,167,700 | : | 1 | | | Maamot, San Jose | 60,903,312.4 4,769,427.9 | | Within 20 km. radius proj. have 0-5% chance |
| 1 | OECF | | 380 | • : | | Not Indentify | 터 | 1 . | Bueno, Capas, Louides, Bamhan, Sta. Juliana, | 6,709,417.9 | 1 | of survival recovery |
| 1 : | Regular | แกด้งด์ เกษาวง | 304 | 452,100 | | | 1 | | Bigbiga, Mayantoc | 6.130,478.3 | | covered w/ 12-43 cm. volcanie ashes, & w/m |
| 1 | · by A | | 172 | | | | | ŀ | Manglo | 2,575,000.0 | ٩ | did 21-40 sm. radius |
| | | | | | | | '- | | Marcelino, Zambeles | | 1 | have 10-30% chance of |
| 1 | | 1 | 1 | ٠. | 1. | | | | <u> </u> | 71,803,218.6 | | survival movery |
| Sub-Tota | | | 4,139 | 1,619,800 | | | | | | 71,803,110.5 | 1 | |
| Cemiling | | | | MINIMAL | | | | | | | • | |
| 8ataan | 1 | - 1 | | | | | | | 1 | | | · ' |
| Bagar | ADB | - 1 | 22.5 | | | | 1. | - 1 | Bagac, Morong, Marivele | 2(1,500) | 00 Pauning of broken | 1 |
| | ABDYO | CF | 100 | 332,500 | | | . | •. | Вакаал | 1,195,726. | 50 bimaches & clean up of the ash and sand | |
| 1 | (Regi | งคล?) | | ****** | | 1 | 1 . | | -50- | 3,489,410 | 1 | 1 |
| . | ABD/OI | | 229 | 219.000 | | | 1 . | | | 4,503,924 | 00 -40 | |
| 1 . | OECF (| rev'l) | 449 | 137,000 | 1 | 1 - | | | 40 | 4,303,724 | 7 | |
| | Regular | | 1)9 | 15.000 | | | | | -50- | 358 150 | | |
| | by C | ontiact: | 30 | 20.800 | | - | | 1 | -50 | 180,779 | 40 -6o- | |
| <u></u> | | | 222.6 | 724300 | | | | | | \$ 939.489 | | |
| Sub-Tol | ADBO | ECF | 939.5 | 42.65 | 50 | | 1 | | | 70.0 | × × × × × × × × × × × × × × × × × × × | 1 |
| | (Prov | incial) | | | | he not indicated | . | | 1 Roosevelt, Pita & 5an | 28.0 | \$80 | |
| | CE | CF | 63 | 101.25 | SU TOTAL ICHES | 1 | ' | | Pablo Dinatopihan | - | | |
| | Regular | Funded | | | 1 | ŀ | 1 . | , , , , | -Roesevelt, Dinater system | 63.9 | 200 | 1 |
| | - by | Adm. | 1497 | 35.0 | ⁷⁷ | | | Dinalupit | | 1 | | |
| i | bv | Paring | 10 | 153 | | | | | | 6.5%6,445 | | |
| Sub-To | (a) | | 306 | 1.584.0 | 23 | | | | 1 | 1 | | |
| Panipanga Angek | | | | | | | | ' | | I . | 1.0 | |
| Volkes | | | | | | | | | Floridablanca, So. Tano | 3,262,115 | s.40 - | |
| | ADB | | 3,17 | | 1 . | 1 | 1 | - | Ponc. | | | |
| | OECF | | \$67.5 | | 1 . | . | | | Villa Maria, Inarato. Sapeng | 6,795,30 | ['] " | |
| -1 | | | | | 1 . | 1 . | · . | . | uwak, Nabuklod, Ha. | 4,533.80 | 1.24 | Excluding the estimate |
| | Region | al | 132 | | 1 | 1 | | 1 | Dolores | | | cost of damage for the |
| 1 | - 1 | | i i | | | | ' . | Ι. | Tanga, Porac, Pamapan | ER 1.599.39 | 9.40 | <u> </u> |
| | J | | | | | | | | | | | |
| | OSEC | | 250 | | • | 1 | | | | 1 | | |
| | OSEC Regula | if | 250 90 | io 0 | · . | | | | | 487.50 | | |

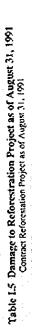


Table I.5 Damage to Reforestration Project as of August 31, 1991 Contract Reforestation Project as of August 31, 1991

| Penro/Cenro | | | | | | | | • | | | | - | | • | | |
|-------------|------------------------------|-----------|---------|------------------------|-----------------|--------|------------|--------|-------------------|---------------|-----------|-----------------------------|----------|--------------------------------|--|---------------------------|
| Penro/Cento | | _ | | : | | | f | 2 | SOLVE SOLVE SOLVE | 2014 | T | Estimated Cost | Date | Kind of | Rehabilitation | Name of |
| 300 | Name of Contractor | Date of | Funding | - Loration | Allocated | SDLCS. | AREA | Access | Foothpath | $\overline{}$ | Bunkhouse | Bunkhouse of Damage (Amount | Released | Damage | Measures | Contractor |
| 94100 | | Issued | | | for the Project | (100') | | ŝ | (X | Tower (Unit) | (Unit) | Released) | | | Kecomended | |
| Abucay | Family I. Marivic Lansang | <u>§</u> | Regular | Rocervelt, Dinalupihan | 65,130 | 9,332 | . | . • | 250 | | | 14,601 | | 40% partially damaged | Total area can be rehabilitated | PENROCENRO Eva, Team |
| | 2. Andres Horrado | <u>\$</u> | VOR | ģ | 65.130 | 7,180 | v . | | 230 | | • | 16,217 | | Partially | -do- | PENROCENRO Eva, Team |
| | 3. Ignacio Cuyos | 061 | NOV | \$ | 65,130 | 4.580 | vr. | • | 250 | | | 7.330 | | ģ ģ | इ इ | PENROYCENRO Eva, Team |
| | 4, Pablo Albor | 6861 | ADB | \$ | 47,000 | 2,700 | <u>-</u> | • | • | , | | 6,183 | | Totally damaged by eruption | Totally area cannot be rehabilitated anymore | PENROCENRO Eva. Team |
| | 5, Celestino Rotales | 6861 | ADB | \$ | 47,000 | 7.520 | 'n | . • | 520 | | • | 18,442 | | partially damaged | can be rehabilitated | PENROCENRO Eva. Team |
| | 6. Abbie Loyola | 686 | ADB | \$ | 47.000 | 4.814 | , v | | 250 | | | 5,92,5 | | partially damaged | -do- replanting | PENROCTENRO Eva, Team |
| | 7. Nemesio Banas | 6%61 | ADB | Тіро, Неттока | 28.200 | 5.625 | т. | | 85 | , | | 8,036 | | Totally damaged | riplaming | PENROCCENRO Eva. Term |
| | 8, Elenito Pabalan | 1986 | ADS | ģ | 28,200 | 4,938 | en . | • | <u>8</u> 1 | • | • | 9.500 | | perially damaged | \$ | PENROCENRO Eva, Team |
| | 9. Emesto Suba | 6861 | ADB | . \$ | 18,800 | 3,950 | rs | • | 8 | | | 12,024 | | Totally damaged | Totally damaged cannot be rehabi- litated | PENROCTENRO fiva, Team |
| | 10, Comelio Mantayac | 6861 | AD8 | \$ | 28,200 | 8.625 | n | | 85 | | | 14,963,5 | | Totally damaged | can he rehabilated | PENRO/CENRÓ Eva. Team |
| | 11. Librado Luismo | 0861 | ADB | Tipo. Hermosa | 37.600 | 9,125 | * | | 90 | • | | 19,447 | | Totally damaged | replanting | PENROXCIENRO Eva. Team |
| | 12, Francisco Pabalan | 6861 | 8CV | \$ | 28,200 | 11,356 | . • | | 8 | , | • | 22.100 | | Totally damaged | guarang | PENROK'ENRO Eva, Team |
| | 13, Jose Omias | 1989 | YD8 | ģ | 37,600 | 4. | 4 | • | 88 | | • | 15493 | | \$ | can be rehabilitated | PENROKENRO Eva. Team |
| ·- | 14. Lazaro Umali | 6861 | ADB | \$ | 28,200 | 0.435 | ^ | | 8 | | • | 13,963 | | \$ | replanting -do- | PRNROKTINKO Eva. Team |
| | 15, Eliza Tipan | 1980 | AO8 | Tala, Dranil | 009'11 | 3,375 | 4 | • | 82 | | | 6.789 | | parially damaged. | nennagitraneane of branchesculturation | PENROCENPO Eus Team |







8

| | | | | | | | | 4 | 1 | | - | | | - | | |
|----------|---|--------------|-----------|------------------------|-----------|--------|----------|--------|--------------------|-----|---------------------|--------------------------------|----------|------------------------------------|---|------------------------------|
| ţ | 3 | | i, indian | | A mount | | | 5 | INFRASTRUCTURE | | | Estimated Cost | Date | Kind of | Rehabilitation | Name of |
| removemo | Name of Contractor | | | Location | | SDCCS. | AREA | Access | Foothpath (M) T | i ≎ | Bunkhouse (Unit) | of Damage (Amount Released) | Released | Damage | Measures Recomended | Contractor |
| | 16. Linda Conzales | 1989 | ADA | \$ | 42,300 | | | | 1 | | | 6,831 | | Totally damaged | \$ | PENROYCHNRO Eva. Team |
| | 17. Marcelo Cacavan | 1986 | ADB | \$ | 37,600 | 227 | 4 | • | 200 | • | | 4.190 | | parielly demaged pruning/trimming | pruning/trimming cuttivation | PENRO/CENRO Five Team |
| | 18. Efren Corvales | 1989 | NO8 | \$ | 42,300 | 3,830 | 45 | | 22 | | | 7,228 | | ģ | \$ | PENRO/CENRO Eva, Team |
| | 19. Alfredo Tipan | 6861 | ADR | Ş | 37,600 | 2,350 | 4 | | 8 | • | • | 8.413 | | ģ | ę | PENROCHANRO Eva. Tram |
| | 20. Remigio Dimayupa | 1989 | VOR | ģ | 37,600 | 3,250 | 4 | • | 8 | | | 4,475 | | -do- Totally damaged | ģ | PIENRO/CENRO Eva. Team |
| | 21. Leonardo Adraneda | 6861 | acy. | Palili, Samal | 47,000 | 11,625 | v. | • | 720 | • | | 21.906 | | Totally damaged | герілмінд | PENRO/CENRO Eva. Team |
| *** | 22. Delfin Pruma | 6861 | ADB | ġ | 28,200 | 8.750 | 0 | | 8 | • | | 10,895 | | ¢ | ģ | FISHROKGSINRO Fina, Tenim |
| | 23. Antonio Paras | 6861 | ADB | \$ | 37,600 | | 4 | • | 82 | | | 9,023 | | ŧ | \$ | PENRO/CENRO Eva, Team |
| | 24. Zenaida Jasmin | 0861 | VDB | \$ | 28.200 | 4375 | r | , | 85 | • | • | 6.984 | | ģ | ġ | PENRO/CIANRO Eva, Team |
| | 25. Concepcion Hinete | 0861 | VD8 | ġ | 28.200 | 7.750 | | | . 8 | • | , | EATH | | ş | \$ | PENROVCENRO Eva, Team |
| | 26. Reynaldo Balba | 1980 | ADB | ģ | 18,800 | 8,7 | . 4 | , | <u>8</u> | | • | 8,172 | | \$\$ | ŝ | PENROXCENRO Eva. Team |
| | 27. The Imo Balba | 1989 | γDβ | \$ | 18.800 | 4.78 | | . • | 8 | . • | • | 8,172 | | \$ \$ | \$ | PENRO/CIENRO Eva. Team |
| | 28, Banjamin Beneral | 1086 | ADB | \$ | 28.200 | 7500 | <u></u> | • | 150 | • | | 15,241,95 | | \$ | cannot be rehabilitated PENROXCENRO Eva. Team | PENROCENRO Eva. Team |
| | Community 1, Actas Agro-Industrial Dev, Resources, Inc. | 6 861 | ADB | Roosevelt, Denalupihan | 141,000 | 20,615 | <u> </u> | • | 750 | | | 0pp 55 | | totally damaged | totally damaged cannot be rehabilitated PENROPCHARO | PENROCTENRO Eva. Team |
| | | 8 | γûγ | \$ | 390.780 | 48,000 | 0. | , | 08:1 | • | | 175,320 | | ģ | φ | |
| | 2. Mun, Govt, of Hermosa e/o Mayor N. Criz. | <u>8</u> | VDB | Mabiga, Hermosa | 1,107,210 | 166.00 | 2 | | 4.250 | 7 | | 108,450 | | Partistly damaged pruning/staking/ | prummg/staking/ cultivation. replanting | MINROCTINED Eva Team |

Table I.5 Damage to Reforestration Project as of August 31, 1991
Contract Reforestation Project as of August 31, 1991

| Jo ome N | Contractor | | PENROCENRO Eva. Tram | PENROCTENRO Eva. Term | | PENRO/CENRO Eva. Team | | | MINROACENRO Eva. Team. | PENROCHENRO Eva. Team | PENROCENRO Eva. Term | PENROCCENRO Eva. Team | PENROXCENRO Eva. Team | PENROYCENRO Eva, Team | PENROV HNRO Eva. Team | PENROCTENRO Eva, Team | PENROX(TENRO Eva. Team | PENROVCHINBO Eva. Tram |
|----------------|--------------------|--|---|--|---------------|-------------------------------|-------------------|--------------|---|--------------------------|---|---------------------------|--------------------------|--------------------------|---------------------------|--------------------------|---|--|
| Dahahilitarion | Measures | Recomended | ģ | Totally damaged can be enabilitizated prospsing proping replaning/entivation | | ş | ģ | | Pruning of broken branches & clean-up of the nsh and sand | 8 | ę | ģ | not indicated | \$ | ę | Ę | \$ | Ė |
| 3 3 3 | Damage Damage | A STATE OF THE STA | Ś | Totally damaged of | | Partially damaged | ģ | | Panial/plm. suffered broken branches | \$ | ġ | \$ | not indicated | \$ | ę | ė | ę | \$ |
| | Dalescad | Neicasea | | | | | | | | | | مان حديد | | | | | | |
| | Estimated Cost | (Unit) Released) | \$1.000 | 5,555,357,5 | | 300,000 | 180,000 000.07 | 6.803.799.95 | 300,000 | 180.550 | 56.400 | 28,200 | not indicated | \$39,700 | 482.270 | 195,150 | 310,250 | 02,171 |
| | | (Unit) | | • | | | • | 2 | , | • | | , | • | • | | , | | · |
| | 1 | Tower (Unit) | • . | • | | | , | 2 | • | • | 1. | | • | • | - | - | - | |
| DAMAGES | 計 | Foothpath (M) | 052.1 | 3,000 | | 000'01 | 14,750 | 000,53 | | | . , | , | • . | ·. | | | : t | |
| NYO | | Access Road (KM) | | • | | | • | | , | , | • | • | • | • | • | • | • | • |
| | | AREA (has.) | × | 8 | | 8 | 20.5 | <u>-8</u> | 50 | <u> 5</u> | • | 6 | not indi- | 8 | 8 | 23 | * | Σ. |
| | _ | SDLCS. | 26,000 | 750,000 | | | 1,50,000 | 1,356,536 | • | 40.00 | | • | • | 0000 | 000'0 | 15,000 | 30,000 | 2000 |
| | Amount | - <u>5</u> | 455,910 | 6.016.671 | | 4,711,986 | 6,007,526 | 19,872,473 | 3,998,364 | 1,898,140,5 | 282,000 | 141.000 | 1,898,149,5 | 1,999,400 | 1,999.400 | 482,820 | 804,700 | 804,700 |
| | : | Location | Palili, Semal | Roosevelt, Dinaluphhan | | Palili, Samal BNAS, Abucay | \$ | | Ragac, Botaan | Morong, Bataan | Bogar, Bataan | Morong, Batann | Morong, Bataan | Вадас, Вазаяп | Bagac, Barasa | Morong, Bataan | Morong, Bataan | Bagac, Bateon |
| - | Funding | Source | uQV | ADB | | ADB | AOA | | ADB (OECF) | ADB | ADB (Prev1) | ADB | 4D8 | OECF (Reg1) | OECF Regi | ADB | ADB (Prov1) | AĎB (Prov'l) |
| | | Contract | <u>§</u> | 1980 | | 1980 | 8 | | 6861 | 1989 | 1989 | 1986 | 6861 | <u>86</u> | <u>\$</u> | <u>\$</u> | 8 | 9861 |
| | Name of Contractor | | 3, Mun. Govt. of Samal c/o Mayor E. Fortes | Corporate 1. Prov. Govt. of Dinalupiban c/o | Gov. L. Roman | 2, PGB-Abucay clo Gov. | | | 1. PGB Contract Refo. Project | 2. PGB Reforestation | Contract 3. Bagac Family Contract Reforestation Proj. | 4. Morong Family Contract | S. Phil. Refugee Proc. | 6. Tenejero Association | 7. Paysawan Agro-Porestry | R. Banawang Farmers | Association 9. Pag-ass Tree Growers Association | 10. Bagong Sikat Livelihood Association |
| | 0,000 | O DE COMPONION DE | | | | | | Cuberon | Варж | | | | | | | | | |







Table I.S Damage to Reforestration Project as of August 31, 1991 Contract Reforestation Project as of August 31, 1991

| Content Humbhous Content Con | | | | | | | | | NVQ | DAMAGES | | | | ć | V 22.04 P.C | Pohabilitation | Name of |
|--|----------------------|---|--------------|-----------------|-----------------------|-----------------|--------|----------|-------|---------|---------|-----------------------|-------------------------------|---------------|--------------------------------|----------------|--|
| Name of Commission Name of | | | , | e i v | | Amount | | - | | ١١ | 1 | | Estimated Cost | Dale : | The off | Measures | Contractor |
| 1. Trial Content (e/c) | Penro/Cenro | | Contract | | Location | Allocated | _ | | | | | Sunkhouse ((Unit) | n Damage (Amount Released) | Ne Redistrict | , P | Recomended | Control of the Contro |
| 1, 10, 10, 10, 10, 10, 10, 10, 10, 10, | | | Issued | | | TOF THE PROJECT | ╁ | - | | ľ | | | \$00,000 | | •99 | \$ | THENREW TOWN |
| 1, Novembry Parenty Chemical 1970 ALCOHOL ALCOHO | | 11, PGB Contract Reforestation Project | 061 | (COSEC) | Bagac, Bathan | | : . | | | | | | | | | ş | PH-NR-OKTENRO |
| 1, LOUT Large Courter 1, 1900 Carroll Rapes, Natura 1, 1900 Carroll Ca | | 12, Morong Family Confront | 0661 | ADB | Morong, Ragar | not indicated | | 77 | | | | | 156,377 | | Š | ļ | Eva. Team |
| Company Professional Property Company Professional Pr | | Reforestation Project | 8 | OECT | Bagac, Batann | 2,957,935 | 32,000 | ۶ | , | •. | | | 258,000 | | ġ | ģ | PENRO/CENRO Evr. Tram |
| Laboration 1998 Control Cont | | Reforestation Project | | (Prov1) | | | | | | | | | | | ę | ę | PENROCTENRO |
| Charlest Finders Company Compa | | 14, Dagae Timber Based | 06: 06: | OECT (Prov1) | Вадас, Ватал | not indicated | 84.000 | გ | • | , | • | • | 406,000 | | } | ; | fiva, Team |
| 1, hage family classed 1000 Client Command 1754,040.2) 1000 | | Development Project | . : | | | | | | | | , | | | | | ģ | PENRO/CENRO |
| 1, National Property | | 15, Ragoc Family Based | <u>&</u> | OECT | Bagar, Batzan | 7,854,949.3 | | 8 | | • | • | • | OM/OX-1 | | } | | Fva. Team |
| 1, Noticenty Resident 1, N | | Ketorestation Project | | | | | | | | | • | • | 12.000 | | \$ | ģ | PENRO/CENRO |
| Courag Reforestion Project Pro | | 16, Morong Family Based | 8 | Regular | Morong, Bataan | 7.815.87 | | 8 | | | - | | | | | | Tva. Tram |
| Project Proj | | Contract Reforestation | - | ·: | | | : | | | | | | | | | | |
| Comparison Com | | Project | - | | | 49,161,437.3K | | | Ó | | | | 3,726,037 | | | | |
| Campi Tree Farmers | Sub-tota! | | · | | | 69,033,910 | ١. | | ٩ | - | | 7 | C6:00'9'67C'01 | | | | |
| 4.3-00 ADB | Zambales Olongapo | | 4.3.90 | | Cawag, Subic, Zambake | | | 8 | 1.25 | 86. | - | - | 662,800 | | Totally damaged | not indicated | PENROXCENRO Eva. Team |
| 4.3.50 ADS ACC ACC ACRONO 12,000 30 0.75 0.689 1 1 1 445.160 Totally damaged 46. 4.3.50 ADB ACC ACRONO 12,000 20 0.5 0.5 1 1 1 305.140 Totally damaged 46. 4.3.50 Regular ACC ACRONO 3,000 20 0.5 0.5 1 1 1 305.140 Totally damaged 46. 4.3.50 Regular ACC 3,06,000 3,000 17 0,425 0.7 1 1 138.324 Totally damaged 46. | | (Peaking Maister) 2. Mt. Redondo Tree Farmel | | · · · - | ş | 816,00 | | 8 | _ | 9.0 | | - | 614,960 | | 90% of the area was damaged | ÷ | PENROCENRO Eva. Tram |
| 1.3.00 ADB do-do-do-do-do-do-do-do-do-do-do-do-do-d | | (Eduando Abad) | 4.3.90 | | \$ | חסא וחמאלפופ | | 8 | 0.75 | 689'0 | _ | _ | 476.160 | | | Ė | PENRO/CENRO Eva. Team |
| Subtr Bay Tree Farmers 4.3-60 ADB -do- 408.000 12,000 20 2 1 1 279.740 100mily damaged Corregoto Lappeny) Corregoto Lappeny) 4.3-60 Regular do- 408.000 14,000 20 0.5 1 1 105.140 Totally damaged -do- Company Tree Farmers 4.3-60 Regular do- 408.000 3.000 3.0 1 1 185.344 Totally damaged -do- Cawag Tree Farmers 4.3-00 Regular -do- 346,800 4,000 17 0.425 0.7 1 1 185.324 Totally damaged -do- Rodolfo Magnych) Regular -do- 306,000 3.000 17 0.425 0.7 1 1 185.324 Totally damaged -do- Rodolfo Magnych) Regular -do- 30,000 15 0.375 0.3 1 1 130,778,73 Totally damaged Regular -do- 30,000 <td></td> <td>Croup (Albino Rodolfo)</td> <td></td> <td>·</td> <td></td> <td>ŧ</td> <td>DENECYCLINE</td> | | Croup (Albino Rodolfo) | | · | | | | | | | | | | | | ŧ | DENECYCLINE |
| 4.3.96 Regular -do- 4.3.90 14.000 20 0.5 1 1 305.140 Totally chamged -do- 4.3.90 Regular -do- 146.800 1.00 0.5 0.7 1 1 188.324 Totally chamged -do- 4.3.90 Regular -do- 146.800 4.000 17 0.425 0.7 1 1 188.324 Totally chamged -do- 15 -do- 146.800 5.000 15 0.375 0.5 1 1 189.778.35 Totally chamserd -do- 190-778.3 -do- 106.000 5.000 15 0.375 0.5 1 1 139.778.35 Totally chamserd -do- | | | 4.7.00 | | \$ | 408,0¢ | | 9 | 3 | ~ | | <u>-</u> | 229.740 | | Totally camered | } | Fiva. Team |
| 4.3.00 Regular do 408.000 3.000 20 0.5 0.9 1 1 283.440 Totally damaged do 1.46.800 4.000 17 0.425 0.7 1 1 188.324 Totally damaged do 1.90.778.25 Totally da | | (Gregorio Lappey) S. Olongaço Tree Farmers | | | | . 93 X | | <u>۾</u> | 0.5 | 2 | - | | 305,140 | | Totally damaged | ģ | PENROXTENEC Eva. Team |
| 4.3-50 Regular -do- 3-46.800 4.000 17 0.425 0.7 1 1 1888.324 Totally damaged dn. 15 0.375 0.5 1 1 19.778.25. Totally damaged dn. | | (Jaime Jimenez) 6. Germax Tree Farmers | | | | 408.0 | | , | 0.5 | 60 | <u></u> | <u>.</u> | 283,440 | | Totally damaged | \$ | PENKO/CLINRO Eva. Team |
| 43.00 Regular -do- 306.000 5.000 15 0.375 0.5 1 1 130,778.25 Trotally damaged do- | | (Rufino Padero) 7. Cawag Tree Farm Dev. | | | | 346.8 | | - 11 | 0.425 | | - | - | 188.324 | | Totally damaged | | PENKOCTENRA Eva. Temn |
| (Revaloo T. Canmo) | | (Rodolfo Magnyes) 8. Kabuaugan Trec Farmer | | | | 0,00 | | 22 | 2375 | 20 | | | 139,778.25 | · | Totally damaged | | PENROCENRO Eva Team |
| | | (Reynaldo T. Caramo) | : | | | <u></u> | : | | | | | | | | | | |

Table L.S. Damage to Reforestration Project as of August 31, 1991 Contract Reforestation Project as of August 31, 1991

| Jo see N | Conference Con | Contractor | PLINKOKCIENRO Eva. Team | PENROCENRO Eva. Tram | PENROXCIENRO fiva, Team | PENROYCENRO Eva. Team | PENRONCENRO Fva. Team | PENROCENRO Eva. Team | PENROCENRO Eva. Tram | PENROCEMRO Eva. Tram | TENROCTENRO Eve. Tram | PENROCTINRO Eva. Team | PINROCHNRO Eva, Team | PENROKCENRO Eva, Team | PENROCENRO Eva, Team | PENROCTENRO Eva. Team | PENROCTENRO Eva, Team | |
|----------------|--------------------|---|--------------------------------|---|--|--|--|--|--|--|--|--|---|---|---|--------------------------------|-----------------------------------|---|
| Dotton!!!dedod | Кепабинацов | Recomended | φ | \$ | ģ | ę | ģ | \$ | ģ | ģ | ę | \$ | \$ | Ŝ | \$ | ş | ģ | |
| 3 7 7 1 | 200 | Damage | 54% of the area was damaged | | Totally damaged | 54% of the area was damaged | Totally dimaged | Totally damaged | 48% of the area was damaged | Totally damaged | Totally Gamaged | Totally damaged | 20% of the area was damaged | perielly damaged | 67% of the area was damaged | 90% of the area was damaged | 6,87% of the area was darmaged | |
| ć | | Released | | | | | | | | | | | | -p | | | | |
| | Estimated Cost | Bunkhouse of Damage (Amount (Unit) Released) | 285,012 | 1,125,755.8 | 32.587 | 6,11,187 | 297,338 | 65,260 | 177.594 | 213,103 | \$6,0% | 66.592 | 587,340 | 433,594 | 198,028,00 | 55,176 | 56,712,5 | |
| | | unkhouse of (Unit) | | - | - | | | | _ | | | | 2 | - | • | • | | |
| | - 1 | Look-out B Tower (Unit) | - | · . | | - | ·- | | - . | - | | . – | n | | | • | • | |
| DAMAGES | INFRASTRUCTURE | Foothpath (M) Te | | 75 | | | | • | | | • | | • | | | | | |
| DAN | li | Access Road (KM) | 1.25 | 2.5 | | • | | | • | | | | | • | • | • | • | |
| | | AREA Pas | | 8 | 8 | : | × | \$ | ä | 2 | \$ | 8 | 8 | • | 5 | • | 4 | |
| | | SDLGS. | + | 200,005 | 8,669 | 49,843 | 13,545 | 23,005 | 28.172 | 7.502 | 00.6 | 21.671 | 243.670 | 216,797 | 71.514 | 2,167 | 3,468 | |
| | Amount | Allocated S | 1,020,000 | not indicated | 762,350 | 1,020,000 | \$10,000 | 1,020,000 | \$10,000 | 306,000 | 1.019.756 | 2,299,310 | 9,498,898 | 1,527,451 | 1,527,451 | 82,500 | 82.500 | |
| | | Location | Tawirang Balita, Sta, Kita | ģ | So, Payudpod, Sta, Fe, San Marcelino, Zambales | \$ | \$ | \$ | \$ | Pateun, Aglao, San Marcelino, Zamboles | So. Lubox, Sta. Fe, San Marcelino, Zambales | So, Lubos, Sta. Fe, San Marcelino, Zambales | So. Tandec, Sta. Fe. San Marcelino, Zambales | So. Payudpod. Sta. Fe. San Marcelino, Zambeles | So. Payudpod, Sta. Fe. San Marcelino, Zambales | \$ | \$ | : |
| | Funding | Source | EGV | ADB | A O A | ADB | NOV | VDB | ADB | Regular | OECF | ADB | OECT | OECF | , 1030 | 8QV | ADB | |
| | | | 05.91.9 9.19.90 | 3.5.90 | 1980 | 86 | 861 | 0861 | 8 | 0061 | 0861 | 0006 | 861 | 861 | - <u>%</u> | 86 | <u>&</u> | |
| | Name of Contractor | | 9. Placida Ranes Ecological | 10. Sagioat Forest Dev't Foundation Inc. | (Anta Dollores Pureza) 11. Payudpod Thee Planters (M. Arquero) | 12. San Marcelino Trec Growers (Roneo Coroux) | 13. San MArcelino Tree Planier Dev. (Isabel Corpuz) | 14, Payudpod Tree Planters (M. Anquero) | 15. San Marcelino Tree Parmers (Onelida Gulang) | i6, Palacan Tree Farmers Group (Antonio Binuya) | 12. Kakilingan Tribal Council (Dionisio Dumlas) | 18. Mother Earth Foundation (Teodole Domingo) | 19, L.G.U. of Sta. Fe (Francisco Delis) | 20. Phetubo Foundation, Inc. (Excepter Magnayay) | 21. Ingat Gubat Foundation (Albert Malvar) | 22. Eddie Romusido | 23. Roservelt de San Jose | |
| | 0,000 | CHICACOHIC | | | - | - - | | | | | | | | | | | | |







Table I.S. Damage to Reforestration Project as of August 31, 1991
Contract Reforestation Project as of August 31, 1991

| Name of | Contractor | Constitution | Fixa, Team | PENROVCENRO | L'AB', scara | PENKOCTENRO Eva. Team | PENROCENRO Eva, Team | PENROKTENRO Eva. Team | PENRO/CENRO Eva, Team | PENROXTENRO Eva. Team | PENROYCENRO Eva. Team | PENRO/CENRO Eva. Team | PENROCENRO Eva. Yeam | PENROCENRO | PENRO/CENRO Eva. Team | PENRO/CTENRO Eva. Team | PENRO/CENRO Eva. Team | PENROICENRO Eya. Team | PrAROCIAGO |
|----------------|--------------------|---------------------------|-----------------|-------------------|-------------------------|--------------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|---------------------|--------------------------|---------------------------|---------------------------|---|------------------------|
| Rehabilitation | Measures | Recomended | ģ | \$ | | \$ | \$ | ģ | ģ | \$ | \$ | ģ | ģ | \$ | \$ | \$ | Ş | ģ | -ççı |
| Vind of | Damage | | 99% of the area | AO% of the area | was damaged | 60% of the area was damaged | Totally demoged | ģ | ģ | \$ | ģ | ģ | ę | \$ | ģ | ģ | \$ | & | Ę |
| į | Released | - 1 | | | | | | _,, | | | | | | | | | | | |
| i i | Estimated Cost | Released) | 50,320 | 54,833 | | 67.750 | 65,638 | \$20.079 | 62.278 | 64,625.5 | 58,162 | 65.717.25 | 62,300.25 | 63,738.25 | 65,378 | 65,939.25 | 74.171 | 67.750 | 67.942.5 |
| | 3 | (Unit) | | | | • | • | • | | | ٠. | | | | • | | · | | • |
| | | Tower (Unit) | | • | , | • . | • | • | , | • | | | | | • | | • | | • |
| DAMAGES | INFRASI | Foothpath (M) | | | | • | . , | | , | • | • | | • | | | • | | | • |
| DAN | 1 | Access Road (KM) | | , | | | | | • | | • | • | • | | • | • | • | , | • |
| | | AREA (has.) H | 1 | | | т. | v , | ¥7, | ٧٠ | ۰, | √ | 'n | ٧, | v | v, | v n . | v | ~ | , m |
| | | SDLGS. | <u>8.</u> | 105-9 | | 000 | 7,822 | 8.666 | 6.128 | 7,229 | 8.166 | 7,888 | 6.182 | 6,182 | 7.819 | 7.98 | 10.876 | % ———————————————————————————————————— | 000 |
| | | Allocated for the Project | 82,500 | 82.500 | | 82.500 | 82,500 | 82.500 | R2.500 | 82,500 | 82,500 | 82,500 | 82.500 | 82,500 | 82.500 | 82.500 | 82.500 | 82.500 | 82.500 |
| | | Location | op: | \ | } | ģ | ģ | ģ | \$ | \$ | \$ | \$ | * | ş | \$ | \$ | \$ | \$ | \$ |
| | unding. | Source | VDB | | | ADB | AOB | ADR | ВСУ | ADB | AD8 | ADB | ADB | ADB | Regular | Regular | Regular | Regular | Regular |
| } | | | Paned 1990 | | <u> </u> | 98 | 86 | · 8 | <u>86</u> | <u>&</u> | <u>\$</u> | <u>8</u> | 8 | 86 | <u>\$</u> | 8 | 86 | 86 | 0 8 |
| | Nome of Contractor | | 200 | 4, John Piersooza | 25. Guillermo Pantaleon | 26. Romeo Dalii | 27, Dionesto Esteben | 28. Guillermo Raquindin | 29. Librito Flores | 30, Affredo Sahagun | 11. Romie Espadon | 32, Erwin Antonio | 33, Salvador Justo | 34, Rodrigo Juliano | 35. Ulysses Domenden | 36. Norbeno Dalit | 37. Heliodoro Unipig. 7r. | 38. Agrifino Domingo | 39, Nelson de San Jose |
| | Ç | Lenico Centro | - | <u> </u> | N | - 6 | 2 | | | | | | | | | | | | |

Table L.S. Damage to Reforestration Project as of August 31, 1991
Contract Reforestation Project as of August 31, 1991

| | Contractor | | PENRO/CENRO Eva. Team | PENRO/CHINRO Evs. Trem | PENROCENRO | PENRO/CENRO | | PENROKTENRO Eva, Team | PENROVCENRO Eva. Team | FENRONTENRO Eva. Team | PENROYCENRO Eva. Team | PENROYCENRO Eva, Team | PENRO/CENRO | PENROCENRO Eva. Team | FFINRO/CIENRO Fiva. Team | PENROKTENRO Eva, Team | PENROK TARO Eva. Tram | PRINKO/CTENKO Eva. Tean | PENROPTENRO Eva, Team |
|---------|--------------------|---------------------------|--------------------------|---------------------------|-----------------------|-------------------|--------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------|-------------------------|-----------------------------|--------------------------|--------------------------|----------------------------|--------------------------|
| | Measures | Recomended | \$ | ŧ | ģ | \$ | | ģ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | ģ | ę | \$ |
| | X md oi | Camage | ę | \$ | \$ | ģ | | Totally damaged | Totally damaged | Толь!!у датаред | Totally damaged | | Totally damaged | | Totally damaped | Totally damaged | | Totally damaged | Totally Gamaged |
| | Data | | | | | | | as of July 90:1/30 | ÷ | \$ | \$ | not indicated | as of 12 | AS Of 4 | as of 3 | \$ | 85 Of 4 | ģ | \$ |
| | Estimated Cost | Released) | 74,171 | 14,171 | 67,755 | 155,17 | 8,652,611,85 | \$21,15.0 | 677.540.8 | 459,529 | 169,360.2 | not indicated | 163,660,05 | 227,956.81 | 415,194,4 | 8 (6.896 | 488,432,17 | 1,014,615.7 | 476,658.0 |
| | | (Unit) | | | | | 74.00 | • | • | • | • | | | | | | • | | |
| | r | Tower (Unit) | | • | , | • | 24.00 | | • | i veri | | • | • | | | • | | | |
| DAMAGES | <u>بد</u> ا | roothpath (M) | | | | | 7.97 | • | | | | | | | • | • | • | • . | |
| DAN | ıt | Road (KM) | | | • | | 9.03 | • | | | • | , | | • | | | • | • | • |
| | į | AREA Gas. | 1 | 'n | • | ~ . | 873.32 | <u>&</u> | 92 | 8 | 20 | 8 | 167.5 | 8 | \$ | 8 | 8 | r | 25 |
| | | SDLCS. | 10,936 | 10,836 | 0000 | 10,8.0 | 1.187.201 | • | | • | • | • | • | • | | • | • | | • |
| | | Allocated for the Project | R2.500 | 42.500 | 82,500 | 42.500 | 26.549,016 | 8142.12 | 651,385.6 | 718.016 | 162,846,4 | 508,244.5 | 324,615 | 664.200 | 648,760 | 1,276,400 | 1,160,332 | 1.539,538 | 039'916 |
| | | Location | \$ | \$ | \$ | ģ | | Inararo, Porac | \$ | \$ | ģ | | Inararo. Porac | | Tanag, Diaz, Porac | Porac, Pamponga | : | Tanag, Porac | Dolores, Porsc |
| | | Source | Kegular | Regular | Regular | Regular | | 8CV | OECF | OECF | OECF | | OECT | : | OFCF | OECF | | ADB | OECF |
| | Date of | Contract | 1990 | <u>8</u> | <u>\$</u> | 86 | | 4.1930 | 0.190 | 06-1990 | % 1980 | ¢-1990 | 066:-1 | 2-6-91 | 6-19 | \$ 8 8 | 26.91 | 6-1990 | % 861-3 |
| | Name of Contractor | | 40. Eduardo Forieteza | 41. Alfredo Justo | 42, Pabio de San Jose | 43. Cedrie Umipig | | I, Bonifacio Mungeni | 2, Zoliko Mariano | 3. Virgilio Tachad | 4, Tacio Canduli | 5. Daniel Lumbang | 6. David Tate | 7. Zoilo Mariano | 8. Antonio Modesto | 9. Fortunate Esporna | 10. Antonio Modesto | 11. Christopher Rodrique | 12. Orestez Salazar |
| | Penro/Cenro | | | 4 | | | Sub-Total | | | | | | | | | | | | |





Table 1.5. Damage to Reforestration Project as of August 31, 1991
Contract Reforestation Project as of August 31, 1991

| _ | | | | | ا. | | | | | TO LUCK TO SE | | 200 | 2 | 000 | | |
|--------------------------------------|---|-----------------|---------|-------------------------|--------------|----------|----------|---------------------|---------|---------------|-----------|---|---------------|---------------------------------|------------|--------------------------|
| | Name of Contractor | | Funding | | <u> </u> | _ | | ı | INFRASI | NFRASTRUCTURE | Remkhouse | of Damage (Amount | Released | Damage | Measures | Contractor |
| renorceno i vanic | | Contract | Source | Location | | SDLGS. (| ۲ ۸ | Access Road (KM) | | - <u> </u> | (Unit) | Released) | | Totally damaged | Recomended | PRINRONCHINRO |
| 13, Vicente Domingo | Domingo | 41900 م | OECF | ģ | 1,739,478 | • | £ | | | • | , | 100000000000000000000000000000000000000 | } | <u> </u> | | Eva. Team |
| (Kidiminarri-i) 14, V. Domingo (F | (Kimminglist) 14. V. Domingo (KMMMff-1) | 081-6 | 2030 | ģ | 1,959,412 | • | 8 | | | | | 1,233,746.5 | Ŷ | Totally damaged | ģ | PENROCTENRO Eva. Team |
| 15. Nestro Caltera | Calteria | 6-1900 €1900 | ADB | ģ | 1,599,520 | | <u></u> | | • | • | , | 927,520 | ģ | Totally damaged | ģ | PENROCENRO Eva. Team |
| 16. Crisano | 16. Crisanto Evangelista | 061-9 | OECF | Nabukiod, Floridablance | 739.778 | | ۶. | • | | • | • | 428,978 | ÷ | Totally damaged | \$ | PENROCCINRO Eva, Team |
| 17. Leonell Lacanilao | Lacaniloo | %د ا | OECF | ģ | 002'666' | | 8 | •. | •, | • | | 1.258,925 | \$ | Totally damaged | \$ | PENROXCENRO Eva, Texm |
| 18. Family Approach | Approach | 061-9 | | | 788,054 | • | 29 | | . • | · , | , | 303,316.79 | as of 12 | | \$ | PENROXCENRO Eva. Team |
| Contractors | Contractors 19, Family Approach | 2-1990 | Regular | Floridabianca, Pamp. | 225.000 | , | 5 | • | | • | , | 138,985,35 | as of 4 | Totally damaged | \$ | PENROYCENRO Eva, Team |
| Contractors 20, CRPSS-RHOP | ctors J-RROP | 6861 | | · | 5,011,461,72 | • | 28 | | • | · • | • | 4,533,803,24 | nor indicated | | \$ | PENROXTENRO Eva. Team |
| 21. Family | 21. Family Approach | 6861 | | | 000'076 | - | 8 | | • | | | 697,420 | 35 of 12 | | ģ | PENROXCENRO Eva. Team |
| Contractors | ktions orats | 2.1990 | #QV | Balang, 2nd, Sexmoan | 593,028 | | 2 | • | | • | | 362,912.7 | 35 of 3 | 86% of the area was darroged | ŝ | PENROYCENRO Eva, Term |
| 23, Efren | 23, Efren Villanueva | 2.1990 | ADB | Mabuanbuan, Sexmoan | 572,097.6 | | % | | • | , | | 350,793,08 | | 95% of the area was damaged | \$ | PENKOYCHNRO Eva, Team |
| 24, Andre | 24, Andres Baltazar | 2.1990 | OECF | Batang, 2nd, Sexmoan | 558.1 | 3 | *8 | | • | | | 342,700 | | RSTE of the area was damaged | \$ | PENROCENRO |
| 25. Arturo Tungol | o Tungol | 2-1990 | OBCF | Sebiranan, Sex moan | 418,608 | - gr | \$: | • | • • • | • | • | 257,025 | \$ | 88% of the area | Ę | PENROCTINKO Eya, Team |
| 26. Victor | 26. Victorio Maninang | 2:1990 | OECF | Malusac, Sexmoan | 418,608 | 96 | ** | | • | | • | | \$ | 92% of the area was damaged | ė | PENROCIENRO Eva. Team |
| FACE | | - | - | | 26,947,608.8 | 8 | 1,940.5 | | 0.0 | 0.0 | 0.0 | 0 17,620,579,54 | | | | |

Source: DENR NOTE: All refo projects which were affected by the eruption of MI. Pinatubo are presently being evaluated/impected by the Regional Evaluation Teams.

Table I.6 Affected Population in Region III (1991)

Type of Disaster : Mt. Pinatubo Ashfall/Lahar's 91 Date of Occurence : June 12,1991

| Region/ | Affected | ted | Served | Served in Outside | Served in Outside | Outside | Serv | Served in | Total ! | Total Served | No. of | No. of | Damaged | pag | | Causualties | ¢ : |
|---------------|----------|-------------------|----------|-----------------------|-------------------|---------------------------|--------------|-----------------------|----------|--------------|-----------------------|-----------|---------|----------------|------|-------------|------------|
| Province/City | Families | Persons | CTRS | CTRS/Staging Areas | Evacation Center |) Center | Resett As | Resettlement Areas | | | Kesettiement Areas | Centers | Sanor | Ç | | | |
| | | | Families | Persons | Families | Families Persons Families | Families | Persons | Families | Persons | | | Totally | Partially Dead | Dead | Injured | Missing |
| Angeles City | 15.864 | 63.515 | L | ١. | 1 | 1 | | | 2,313 | 10,704 | • | 50 | \$.509 | 8,504 | 23 | 7 | ٧. |
| Bataaan | 9,143 | | • | • | : | • | , | • | , | • | | • | 1,920 | 4,975 | = | v. | |
| Nueva Ecijia | ۶ | 373 | | • | | , . | | • | • | | • | • | • | • | 1 | • | • |
| Olongago City | 17,815 | 88,935 | • | | • | • | 194 | 1,875 | 197 | 1.875 | - | • | 6,412 | 21.476 | 134 | | |
| Pampanga | 134,355 | · | 3,312 | 16,106 | 1 | | 1,290 | 5.848 | 3,340 | 16.246 | 4 | <u>\$</u> | 7.514 | 16,274 | 235 | 7.2 | 0_ |
| Palayan City | • | , | , | • | | , | 456 | 1,750 | 708 | 2.645 | 64 | | • | • | ۲۲ | , | |
| Tarlac | 15,719 | 85,532 | 746 | 3,952 | • | | 944 | 4.039 | 069'1 | 7,991 | 2 | 71 | 2,228 | 542 | 17.7 | • | |
| Zambales | 96296 | 273,573 | 1.194 | 5,714 | • | • | 2.940 | 13,425 | 4,165 | 19,055 | 4 | K | 18,396 | 18,504 | 324 | <u> </u> | oc . |
| | | | ; | | |) | | | | | | | | | | | |
| | | | | | | | | 100.00 | 1. | 717 83 | 7.7 | 75 | 41 970 | 70.275 | 934 | 3 | 3 |
| Total | 249.371 | 249,371 1,180,132 | 7.565 | 36,476 | _ | 5 | 3 | 10007 | 1,40041 | O COLOC | | | | İ | 1 | | |

Source: Disaster Monitoring Report (DSWD, Region III, April 15, 1993)





Type of Disaster : Flashflood/Lahar's 92 Date of Occurence : August 15,1992

| Flissbi-lood Lahar 19sai Flissbi-lood Lahar 19sai Flissbi-lood Lahar 19sai Flissbi-lood Lahar 19sai Flissbi-lood Lahar 19sai Flissbi-lood Lahar 19sai Flissbi-lood Lahar 19sai Toolal Served Flashi-lood Lahar 19sai Toolal Served Flashi-lood Lahar Toolal Served Flashi-lood Lahar Toolal Served Flashi-lood Lahar Toolal Served Flashi-lood Lahar Toolal Served Flashi-lood Lahar Toolal Served Flashi-lood Lahar Toolal Served Flashi-lood Lahar Toolal Served Flashi-lood Lahar Toolal Served Flashi-lood Lahar Toolal Served Flashi-lood Lahar Toolal Served Flashi-lood Toolal Served Toolal Serv | | | | No. of Affected | fected | | | | • [| Š | ng Served | No. Being Served Outside Evacuation Center | uation C | enter | | | S. | Being St | rved Outsi | No. Being Served Outside Evacuation Center | on Center | | | |
|--|-------------|---------|---------|-----------------|---------|----------|---------|---------|---------|--------|-----------|--|----------|-------|--------------|---------------|-----------|-------------------|------------|--|-----------|-------------|----------|---------|
| Families Persons Per | Province | | 1 | | | Tota | | Flash | | No. of | 13 | thar | No. of | | | 0. of | FlashFloc | 2 | Lahar | | Toral | | Total S | erved |
| Families Persons Families | | LIBBUL | 3 | • | | | | į | | Evac. | | | Evac. | | T | | | + | | † | 1 | 尴 | amiliae | Persons |
| 75.057 75.056 5.197 28.581 80.284 404.669 57 26.0 12.466 3 2.2530 12.466 3 2.2530 12.466 3 2.2530 12.466 3 2.2530 12.466 3 2.2530 12.466 3 2.2530 115.664 24.565 24.504 115.664 22.4504 115.664 115.664 22.4504 115.66 | ٠. | | Persons | Families | Persons | Families | Persons | | Persons | Ę | Families | Persons | - 1 | | - | | milies Pe | rsons 1-a | | 1 | | T | 2.587 | 07.21 |
| 6.5553 30.417 27002 38.550 (4.4545 68.970 (4.5440) 803.972 37.20 (4.4545 68.970 (| ammenea | 75.087 | | \$,197 | | 80,284 | | C. | 300 | ~ | 2.530 | | | 7867 | 12,00 | . | ^ | | | | | | 629 | 1,421 |
| 1281 6,869 1,281 6,869 1,281 6,869 1,281 6,869 1,281 6,869 1,281 6,869 1,281 6,869 1,281 6,869 1,281 6,869 1,281 6,869 1,281 6,869 1,281 1,290 | Jaj | 6353 | | 7,992 | 38.550 | 14,545 | 68.976 | <u></u> | | | 626 | • | | 8 | 717 | , | | _,_ ,_ | | | | | | |
| 1,281 6,860 123.00 40,604 192.203 34,002 16,1894 6,602 28,300 40,604 192.203 1,4,002 11,730 14,180 6,602 28,302 57 264 16,157 10 3,353 16,421 12 0 0 0 0 3,353 | Aecuer @ | 24,304 | | | | 24,304 | 13,664 | | : | | | | | | | | | | | | | | | |
| 34,002 163,894 6,602 28,309 40,604 1972,203 | Otongano @ | 1,281 | 6.869 | | | 1,281 | 6,860 | | | | | | | | | | | | <u>.</u> | | | | | |
| 2,510 11,730 141 651 651 651 651 651 651 651 651 651 65 | Zambaks | 34,002 | | 6,602 | | | 192.203 | | | | | | | | | | | <u>-</u> | | | | | | |
| 622 3.210 651 164 657 3.210 15.32 564 12 3.230 16.157 10 3.353 16.421 12 0 0 0 0 0 3.333 16.421 12 0 0 0 0 0 3.333 16.421 12 0 0 0 0 0 0 3.333 16.421 12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Bulacan (@ | 2,619 | | | | 2,619 | 0.7.1 | | | | | | | | | | | · | | | · | | <u> </u> | Ø |
| 4 622 3.210 622 3.210 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Angeles # | | | 141 | | | 159 | | | | 75. | | 6 | 7.57 | 5 | | | | | | | | | |
| THAN 144.408 707.870 19.932 90.102 104.400 803.972 57 264 2 3,296 16,157 10 | S. Ecia | 622 | | | | 77,0 | | | | | | | | 1 | 1 | +: | - | 6 | á | 0 | o | ° | 3,353 | 16,421 |
| | Count Total | 144.468 | 707,870 | | | | | | 75 | 7 | 3,286 | | - | | 10,421 | 7 | } | | 1 | hope toffer | in seed | Auto second | | |

Note: # Number served of Angeles City include

| FlashFlood Totally Partialli 1.362 2.93 2.99 1.362 2.99 | Totally Partially Totally Partially | | ۵ | DAMAGED HOUSES | HOUSES | | | | | No. Bein | g.Served C | Jutside Eva | No. Being Served Outside Evacuation Center | nter | | | No. Being | No. Being Served Outside Evacuation Center | ition Center | |
|--|--|-----------|---------|-----------|----------------|-----------|----------------|--------|---------------|--------|----------|-------------|-------------|--|------|---------|---------|-----------|--|---------------|-----------|
| FlashFlood Lahar Total Partially Total Partial Partial Partial Total Partial ashFlood Lahar Totally Partially Totally Partially Totally Partially Totally Partially Partially Totally Partially 2 | | | ١. | | . 1 | | | | | | | | | | - | Benneh | GWSG | External | Foral |
| Totally Partially Partially Partially Partially Partially Totally Partially Totally Partially Totally Partially Totally Partially Dead Injured Missing Dead Injured Missing Dead Injured Missing Dead Injured Missing Dead Injured Missing Dead Injured Missing Dead Injured Missing Dead Injured Missing Dead Injured Missing Dead Injured Missing Dead Injured Missing Dead Injured Missing Dead Injured Missing Dead Injured Missing Dead Injured Missing Dead Injured Missing Dead Injured Missing Dead Injured Missing Injured Missing Injured Missing Injured Injured Missing Dead Injured | Frovince | Flash | pool | iede. | - | Total | | Flas | hFlood | | | Taha. | ; | | Total | 7 | | 1 | | |
| Totally Partially Totally Partially Dead Injured | Totally Partially Partia | | | | | + | | + | | | | 3 | famound | | Dead | V pound | lissing | | | | |
| 1,062 2,032 1,065 1,362 2,032 1 | 1.362 2,932 1,665 1,565 1,565 2,932 1 1 1 2 6 0 1 18 7 1 1 1 2 6 0 1 18 7 1 1 1 1 2 6 0 1 18 7 1 1 1 1 2 1 6 1 1 1 1 2 1 6 1 1 1 1 1 2 1 6 1 1 1 1 | | Totally | Partially | Totally 1 | Partially | Totally Pa | rially | 2 | Danie | MISSING | 200 | | | = | 9 | Pami | panga | 18,257,412.10 | 8,524,687.40 | 26.787.05 |
| 1,362 2,932 1,362 2,932 1 1,362 2,932 1 1,362 2,932 1,36 | 1.362 2,932 1.362 2,932 1 | Pamoanea | _ | | 1,665 | | 1.065 | | ō - | | | | | - | - | , | Tark | . ¥ | 13,462,026.60 | 3,981,723,95 | 7.144.7 |
| 7 20 | 7 20 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 | Tarlac | 1,362 | | | | <u>8</u> ' | 2,932 | - 1 | | | | | | ~ | | Bata | | 8,097,714,60 | 957,570.00 | 7,500 |
| 120 47 106 120 2 172mtoles 1044 127.10 1000000000000000000000000000000000 | 30 120 47 106 120 2 1 1 2 6 0 13 7 1 1 1 2 6 0 13 7 1 1 1 1 1 1 1 1 1 | Datash | | ล | | | - - | 3 | • - | | <u> </u> | | | | | | ð | odeât | 903,745,20 | 0.000,24,1 | 27.7% |
| 39 140 300 11000000 1 10000000 1 10000000 1 1000000 | 39 120 Angeles | Otomba | | | Ę | - | 25 | 120 | ٠ (١ | | - | | | | ~ | - | E 2 | tbales | 1,624,127.70 | por records I | 21.60 |
| N. Brija 1,104.896,74 30,250.00 N. H. J. L. S. S. D. L. R. J. L. L. L. L. L. L. L. L. L. L. L. L. L. | 6 Total 1,4214 3,072 1,712 0 3,140 3,072 16 1 1 1 2 6 0 118 7 1 | Zambales | £. | | ; | | <u></u> | • . | | - | | | | | | | And A | - S | 553,475.70 | 110,000,00 | 0/199 |
| 3,000 3,140 3,000 16 1 1 2 6 0 18 7 1 44,000,091,00 18 13,000,091,00 | ned Total 1,428, 3,072 1,212 0 3,140 3,072 16 1 1 2 6 0 18 7 1 | Bulletan | | | | | _ | ·- | . | | | | | - | | | 2 | ciis | 1,104,896,74 | 00.025,00 | |
| 3,140 3,072 1,512 01 3,140 3,072 1,6 1) 1) 2,1 | Total 142R 3072 1,212 0 3,140 3,072 16 1 1 2 | C L | | | | | | - | | | 1 | 1 | | , | - | - | - | | 44,024,998,64 | 13,876,191.15 | |
| | | N. e.c.)a | 1.434 | l | 1,712 | o | 3,140 | 3,072 | 2 | = | - | 1 | | | | | | | | | |

Note: Evacues are all victims of the recent Typhooms/Lahar for 1992. Source: DSWD, Region III as of April 15, 1993

Table I.8 Affeceted Population in Region III (1993)

Type of Disaster Lahar III

Date of Occurence 1993

| | | | | 2 5; F3: 130 | Sample Damaged Houses | Tar barres | Vac CTR | Reported | Damage | sasnon pa | Casu | Casualties | |
|-------------|-------|-----------------|--------------|--------------|-----------------------|------------|----------|--------------------|---------|-----------|------|---|-----------------|
| ç | Ž. | No. of Affected | 0 | Served iii E | 3,44. C1 N. | 7 | | No. of | 0 | | | | |
| FIOVING | Brove | Families | Persons | Families | Persons | Families | Persons | Evac. Ctr. Totally | Totally | Partially | Dead | Injured | Injured Missing |
| | 70 | | | | | , | | | | | | | |
| Pampanga | 15 | 6.563 | 36,727 | 1,109 | 4,936 | | | 9 | 114 | 181 | | | |
| | | | | | | | | | | | | | |
| Tarlac | 256 | 32,188 | 151514 | 827 | 4,936 | | | К | 205 | 76 | 2 | | |
| | | | | | | | | | | - | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| Zambales | 169 | 27,705 | 126,664 | 1,791 | 9,138 | | | | 1,365 | 3,226 | 6 | | 4 |
| | | | | | ÷ ; | | | 7 | 1,684 | 3 480 | = | | 4 |
| Grand Total | 440 | 66.456 | 314,905 | 3.727 | 010,61 | 3 | ^ | | | | | | |

Source: DSWD, Region III

I

Table 1.9 Agricultural Products Affecteed by Lahar (Pampanga Province)

| | | | 199 | 91 | 199 |)2 | TOT | ΆĹ |
|------------------------------------|--------------|----------|--------|----------|--------|----------|--------|-----------|
| PARTICULAR | Numb | er of | Farmer | Агеа | Farmer | Area | Farmer | Area |
| | Municipality | Barangay | (no.) | (ha.) | (no.) | (ha.) | (no.) | (ha.) |
| 1. Rice 80-85 can/h: | 13 | 107 | 3,614 | 6,123.70 | 1,104 | 2,106.48 | 4,718 | 8,230 |
| 350P/cav 2. Vegetables/ Rootcrops/ | · | | | | : | | | |
| Coffee/ Orchard/ | 6 | 17 | 225 | 401.80 | 292 | 397.30 | 517 | 799.10 |
| 3. Sugarcane | 4 | 8 | | - | 312 | 1,439.00 | 312 | 1,439.00 |
| 4. Fishpond | 3 | 21 | 848 | 2,632.00 | 9 | 8.00 | 857 | 2,640.00 |
| TOTAL | | _ | 4,687 | 9,157.50 | 1,717 | 3,950.78 | 6,404 | 13,108.28 |



Table I.10 Agricultural Products Affected by Lahar (Barangay Level)

| | | 199 |) | 199 | 92 | TOT | |
|---|--------|--------|-------------|-------------------------|------------|-----------------|-------------|
| MUNICIPALITY | No. of | FARMER | AREA | FARMER | AREA | FARMER | AREA |
| • | Brgy. | (no.) | (ha.) | (no.) | (ha.) | (no.) | (ha.) |
| RICE | | | | - Paring Paring Barbara | | | |
| 1. Angeles city | 11 | 235 | 307.15 | - | • | 235 | 307.15 |
| 2. Bacolor | 11 | 758 | 1,272.00 | 83 | 168.00 | 841 | 1,440.00 |
| 3. Floridablanca | 11 | 724 | 1,051.00 | 18 | 24.00 | 742 | 1,075.00 |
| 4. Guagua | 4 | 15 | 26.20 | 38 | 89.00 | 53 | 115.20 |
| 5. Lubao | 9 | 48 | 75.00 | 146 | 176.60 | 194 | 251.60 |
| 6. Mabalacat | 8 | l | 192.00 | 190 | 494.00 | 335 | 686.00 |
| 7. Magalang | 8 | Į. | 148.15 | 215 | 495.28 | 267 | 643.43 |
| 8. Mexico | 19 | | 1,806.20 | 90 | 159.20 | 939 | 1,965.40 |
| 9. Minalin | 3 | 1 | 143.00 | 29 | 84.00 | 99 | 227.00 |
| 10. Porac | 11 | 232 | 228.00 | 104 | 110.35 | 336 | 338.35 |
| 11. Sta. Ana | 6 | 1 | 400.00 | - | - . | 226 | 400.00 |
| 12. Sta. Rita |] 4 | 176 | 269.00 | 191 | 306.05 | 367 | 575.05 |
| 13. San Simon | 2 | 84 | 206.00 | | | 84 | 206.00 |
| Sub-Total | 107 | 3,614 | 6,123.70 | 1,104 | 2,106.48 | 4,718 | 8,230.18 |
| VEGETABLES/COFFEE/ | | | | | | | |
| ROOTCROPS/ ORCHARD | | | | | • | | |
| 1. Angeles city | 11 | 165 | 364.80 | 224 | 305.13 | 389 | 669.95 |
| 2. Magalang | 1 . 1 | | | - 3 | 3.7. | 5 3 | |
| 3. Sta. Rita | ; | - ' | | - 21 | 10.0 | | |
| 4. Sta. Ana | 1 | 60 | 37.00 |) . | - | 60 | ł. |
| 5. Floridablanca | . 1 | | | - 2 | 5.0 | | |
| 6. Porac | | 2 | | - 42 | | | |
| Sub-Total | 1. | 22: | 401.8 | 292 | 397.3 | 0 517 | 799.10 |
| SUGARCANE | | 1 | | | | | |
| 1. Bacolor | 1. | 1 | - | -] 17 | I . | 1 . | h . |
| 2. Porac | | 2 | - | - 30 | 1 | 1 | |
| 3. Mabalacat | 1 : | 2 | - | - 80 | 1 | 4.5 | i . |
| 4. Magalang | | 3 | · | - 185 | | | |
| Sub-Total | | 8 | 0.0 | 0 317 | 2 1,439.0 | 0 312 | 1,439.00 |
| FISHPOND | | | | | | | . د د د د |
| 1. Minalin | 1 | i i | t | 1 | 9 8.0 | | 1 |
| 2. San Simon | | 7 48 | 1 | | - | 480 | 1 |
| 3. Lubao | | 4 12 | | | 1 | 120 | |
| Sub-Total | 2 | | | <u> </u> | 9 8.0 | | · |
| GRAND TOTAL | | 4,68 | 7 9,157.5 | 0 1,71 | 7 3,950.7 | /8 6,4 <u>0</u> | 4 13,108.2 |





Table I.11 Damage to Agricultural Products by Barangay

BARANGAYS AFFECTED BY LAHAR Sasmuan

| المراسبية والمراسبة والمراسبة والمراسبة والمراسبة والمراسبة والمراسبة والمراسبة والمراسبة والمراسبة والمراسبة | 199 |)1 | 19 | 92 | TOT | AL |
|---|--------------|------------------|--|---------------|-----------------|-------------------|
| BARANGAYS | FARMER (no.) | AREA (ha.) | FARMER (no.) | AREA (ha.) | FARMER (no.) | AREA (ha.) |
| FISHPOND | | #15.00 | | | . 179 | 515.00 |
| 1. Sta. Monica | 179 209 | 515.00 900.00 | ł . | | 209 | 900.00 |
| 2. San Antonio | 209 | 15.00 | Į. | | . 5 | 15.00 |
| 3. San Nicolas I 4. San Nicolas II | 15 | | | | - 15 | 75.00 |
| 5. Sto. Tomas | 4 | 15.00 | • | | - 4 | 15.00 |
| 6. San Pablo | 60 | 150.00 | | | . 60 | 150.00 |
| 7. Sta. Lucia | 8 | 25.00 | 1 | | - 8 | 25.00 1,695.00 |
| TOTAL | 480 | 1,695.00 | <u> </u> | <u> </u> | 0 480 | 1,093.00 |

BARANGAYS AFFECTED BY LAHAR San Simon

| · · · · · · · · · · · · · · · · · · · | 199 |)1 | 199 | 2 | TOT | AL |
|---|----------------|---------------------------|--------------|---------------|-----------------|---------------------------|
| BARANGAYS | FARMER (no.) | | FARMER (no.) | AREA (ha.) | FARMER (no.) | AREA (ha.) |
| RICE 1. San Pablo Lib 2. Dela Paz TOTAL | 42 42 84 | 113.50 92.50 206.00 | | | 42 42 84 | 113.50 92.50 206.00 |

BARANGAYS AFFECTED BY LAHAR Sta. Rita

| | 199 | <u> </u> | 199 | 2 | TOT | AL |
|-----------------------------|--------------|---------------|--------------|-----------------|-----------------|------------------|
| BARANGAYS | FARMER (no.) | AREA (ha.) | FARMER (no.) | AREA (ha.) | FARMER (no.) | AREA (ha.) |
| RICE 1. San Juan | 37 | 57.00 | 71.00 | 133.95 | 108 | 190.95 |
| 2. San Jose | 85 | 120.80 | 1 | 110 65 | 85 118 | 120.80 199.85 |
| 3. San Isidro | 51 | 87.20 4.00 | | 112.65 59.45 | | 63.45 |
| 4. San Basilio Sub-Total | 176 | 269 | | 306 | | 575 |
| VEGETABLES | | | 21 | 10.00 | 21 | 10.00 |
| 7. San Isidro GRAND TOTAL | 176 | 269.00 | | 316.05 | | 585.05 |

Table I.11 Damage to Agricultural Products by Barangay

BARANGAYS AFFECTED BY LAHAR Sta. Ana

| | 199 |)] | 199 | 2 | TOT | AL |
|------------------|--------|--------|--------|--------------|--------|--------|
| BARANGAYS | FARMER | AREA | FARMER | AREA | FARMER | AREA |
| | (no.) | (ha.) | (no.) | (ha.) | (no.) | (ha.) |
| Rice | | | | | | |
| 1. San Pablo | 27 | 46.40 | - | • | 27 | 46.40 |
| 2. San Roque | 78 | 162.30 | - | • | 78 | 162.30 |
| 3. San Agustin | 94 | 137.30 | - | • | 94 | 137.30 |
| 4. San Joaquin | 8 | 20.00 | -[| • | 8 | 20.00 |
| 5. San Juan | 11 | 21.00 | -[| | 13 | 21.00 |
| 6. San Pedro | 8 | 13.00 | - | : • | 8 | 13.00 |
| Sub-Total | 226 | 400.00 | 0 | 0 | 226 | 400.00 |
| VEGETABLES | | | | |] | • |
| 1. San Bartolome | 60 | 37 | - | - | 60 | 37 |
| TOTAL | 286 | 437.00 | | - | 286 | 437.00 |

BARANGAYS AFFECTED BY LAHAR Porac

| | 199 |)1 | 199 | 2 | TOTAL | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--|--|--|
| BARANGAYS | FARMER | AREA | FARMER | AREA | FARMER | AREA | | | |
| • • | (no.) | (ha.) | (no.) | (ha.) | (no.) | (ha.) | | | |
| RICE | | | | | | | | | |
| 1. Babo Sacan | 10 | 10.55 | ٠. | | 10 | 10.55 | | | |
| 2. Poblacion | 5 | 5.00 | - | | 5 | 5.00 | | | |
| 3. Cangatba | 4 | 5.50 | | · | 4 | 5.50 | | | |
| 4. Jalung | 71 | 66.17 | - | | 71 | 66.17 | | | |
| 5. Seping Bulaun | 3 | 1.99 | l · | | 3 | 1.99 | | | |
| 6. Hacienda Dolors | 28 | 21.10 | - | | 28 | 21.10 | | | |
| 7. Babo Porgulo | 21 | 19.99 | - | - | : 21 | 19.99 | | | |
| 8. Pio | 65 | 69.20 | | - | 65 | 69.20 | | | |
| 9. Plaras | 25 | 28.50 | - | | 25 | 28.50 | | | |
| 10. San Jose Mitla | - | , - | 25 | 24.50 | 25 | 24.50 | | | |
| 11. Mitla Proper | - | · | 79 | 85.85 | 79 | 85.85 | | | |
| Sub-Total | 232 | 228.00 | 104 | 110.35 | 336 | 338.35 | | | |
| SUGARCANE | | | | | | | | | |
| 1. Mitla Proper | | | 20 | 80.00 | 20 | 80.00 | | | |
| 2. San Jose | | | 10 | 35.00 | 10 | 35.00 | | | |
| Sub-Total | 0 | 0 | 30 | 115.00 | 30 | 115.00 | | | |
| VEGETABLES | | | | | | | | | |
| 1. Mitla Proper |] | | 22 | 39.20 | 22 | 39.20 | | | |
| 2. San Jose Mitla |] . | | 20 | 34.20 | 20 | 34.20 | | | |
| Sub-Total | 0 | 0 | 42 | 73.40 | 42 | 73.40 | | | |
| GRAND TOTAL | 232 | 228.00 | 176 | 298.75 | 408 | 526.75 | | | |

Table I.11 Damage to Agricultural Products by Barangay

BARANGAYS AFFECTED BY LAHAR Minalin

| | 199 | 91 | 199 | 92 | TOT | AL |
|-------------------|--------|--------|--------------|-------|--------|--------|
| BARANGAYS | FARMER | AREA | FARMER | AREA | FARMER | AREA |
| Dittalli | (no.) | (ha.) | (no.) | (ha.) | (no.) | (ha.) |
| RICE | | | | | | |
| 1. Sta. Catalina | 22 | 58.00 | 28 | 81.50 | | 139.50 |
| 2. Sta. Maria | 48 | 85.00 | - | · · | 48 | 85.00 |
| 3. San Francisco | - | - | <u> </u> | 2.50 | 1 | 2.50 |
| Sub-Total | 70 | 143.00 | 29 | 84.00 | 99 | 227.00 |
| FISHPOND | | | | | | |
| 1. Dawe | 45 | 153.94 | - | • | 45 | |
| 2. Saplad | 67 | 213.92 | | ٠. | 67 | |
| 3. Bulac | 12 | 25,00 |) - | | 12 | l |
| 4. Sto. Rosario | 17 | 27.00 |) | | 17 | |
| 5. Mesalipit | 5 | 7.50 |) - | | .] 5 | 7.50 |
| 6. San Isidro | 15 | 43.00 |) | • | . 15 | 43.00 |
| 7. Sta. Maria | 6 | 13.50 | o l - | | . 6 | 13.50 |
| 8. Sto. Domingo | 1 6 | 9.50 | o l - | | . 6 | 9.50 |
| 9. Maniago | 75 | 183.6 | 4] - | · . | - 75 | 183,64 |
| 10. Sta. Catalina | | | . 9 | 8.00 |) 9 | 8.00 |
| Sub-Total | 248 | 677.0 | 0 9 | 8.0 | 257 | 685.00 |
| GRAND TOTAL | 318 | 1 | l l | 92.0 | 356 | 912.00 |

BARANGAYS AFFECTED BY LAHAR Mexico

| | 199 |)] | 199 |)2 | TOT | |
|--------------------|--------|--------|--------|------------|--------|--------|
| BARANGAYS | FARMER | AREA | FARMER | AREA | FARMER | AREA |
| Distantion | (no.) | (ha.) | (no.) | (ha.) | (no.) | (ha.) |
| RICE | | | | | | |
| 1. Concepcion | 69 | 156.75 | | | 69 | 156.73 |
| 2. San Pablo | 33 | 82.70 | - | . - | 33 | 82.7 |
| 3. Sta. Cruz | 32 | 59.75 | | , - | 32 | 59.7 |
| 4. Anao | 36 | 83.70 | | - | 36 | 83.7 |
| 5. San Jose Malino | 97 | 152.20 | | . • | 97 | 152.2 |
| 6. Laput | 41 | 82.70 | • | • | 41 | 82.7 |
| 7. San Juan | 99 | 173.50 | • | • | 99 | 173.5 |
| 8. Sto Rosario | 32 | 92.80 | | | 32 | 92.8 |
| 9. Balas | 39 | 91.90 | | | . 39 | 91.9 |
| 10. San Lorezo | 2 | 5.50 | | | . 2 | 5.5 |
| 11. San Carlos | 15 | 40.00 | | | 15 | |
| 12. San Patricio | 120 | 305.40 | 90 | 159.20 | 120 | 1 |
| 13. Sto. Domingo | 38 | 92.00 | | | . 38 | |
| 14. Laug | 11 | 21.00 | | | - 11 | 21.0 |
| 15. Culubasa | 131 | 261.30 | | | - 131 | 261. |
| 16. Sublaban | 17 | 33.00 |) | | . 17 | |
| 17. Cawayan | 23 | 53.00 |) | | _ 23 | 53. |
| 18. Buenavista | 2 | 3.80 | I . | | . 2 | 3.3 |
| 19. Tangle | 12 | 15.00 | . [c | .] | - 12 | 15. |
| TOTAL | 849 | ł | 1 | 159.2 | 0 849 | 1,965. |

Table I.11 Damage to Agricultural Products by Barangay

BARANGAYS AFFECTED BY LAHAR MAGALANG



| | 199 |)] | 199 |)2 | TOT | TAL |
|-------------------|----------|--------|--------|--------|--------|--------|
| BARANGAYS | FARMER | AREA | FARMER | AREA | FARMER | AREA |
| | (no.) | (ha.) | (no.) | (ha.) | (no.) | (ha.) |
| RICE | | | | | | |
| 1. Sto. Rosario | 3 | 7.00 | 54.00 | 118.90 | 57 | 125.90 |
| 2. Escala | 44 | 120.40 | - | | 44 | 120.40 |
| 3. Kabayong Sarol | 1 | 4.00 | 4 | 11.50 | 5 | 15.50 |
| 4. San Roque | 1 | 2.00 | 34 | 80.70 | 35 | 82.70 |
| 5. Navaling | 3 | 14.75 | 91 | 184.93 | 94 | 199.6 |
| 6. Sta. Maria | - | | 4 | 12.00 | 4 | 12.0 |
| 7. Mapinya | | ٠- | 2 | 8.00 | 2 | 8.0 |
| 8. Concepcion | _ | - | 26 | 79.25 | 26 | 79.2 |
| Sub-Total | 52 | 148.15 | 215 | 495.28 | 267 | 643.4 |
| SUGARCANE | | ٠, | | | | |
| 1. Sto. Rosario | . | , | 80 | 178.10 | 80 | 178.1 |
| 2. San Roque | | | 102 | 217.90 | 102 | 217.9 |
| 3. Sta. Maria | | | . 3 | 4.00 | 3 | 4.0 |
| Sub-Total | . 0 | (| 185 | 400.00 | 185 | 400.0 |
| VEGETABLES | \ | | | | | |
| 1. Navaling | | | 3 | 3.75 | 3 | 3.7 |
| GRAND TOTAL | 52 | 148.1 | 403 | 899.03 | 455 | 1,047. |

BARANGAYS AFFECTED BY LAHAR MABALACAT

| | 100 | | 199 | \2 | TOT | Δ1 |
|---------------------|--------|--------|------------------|----------|--------|---------|
| | 199 | | | | FARMER | AREA |
| BARANGAYS | FARMER | AREA | FARMER | AREA | | |
| | (no.) | (ha.) | (no.) | (ha.) | (no.) | (ha.) |
| RICE | | | | | | |
| 1. Calumpang | 57 | 73.50 |) - | - | 57 | 73.50 |
| 2. Dolores | 25 | 30.00 | - | . • | 25 | 30.00 |
| 3. Tabun | 26 | 45.00 | - 11 | 38.50 | 37 | 83.50 |
| 4. Macapaya Village | 12 | 17.00 | - | | 12 | 17 |
| 5. Malonzo | 25 | 26.50 | 30 | 98.50 | 55 | 125.00 |
| 6. Athe Bola | | - | 10 | 22.50 | 10 | 22.50 |
| 7. Cacutud | | | 60 | 142.50 | 60 | 142.50 |
| 8. Sapang Balen | | | 79 | 192.00 | 79 | 192.00 |
| Sub-Total | 145 | 192.00 | 190 | 494.00 | 335 | 686.00 |
| SUGARCANE | | | | | | |
| 1. Tabun | : _ | | . 39 | 203.50 | 39 | 203.50 |
| | · | _ | 41 | 667.50 | 41 | 667.50 |
| 2. Dolores | إرا | • | 80 | | 1 | 871.0 |
| Sub-Total | 0 | 192.00 | | | 1 | 1,557.0 |
| GRAND TOTAL | 145 | 192.00 | 1 | 1,505.00 | 1 | ., |



Table I.11 Damage to Agricultural Products by Barangay

BARANGAYS AFFECTED BY LAHAR LUBAO

| | 199 |)1 | 199 |)2 | TOT | AL |
|------------------|--------|--------|------------------|-----------------|--------|-------|
| BARANGAYS | FARMER | AREA | FARMER | AREA | FARMER | AREA |
| B/IId II (01220 | (no.) | (ha.) | (no.) | (ha.) | (no.) | (ha.) |
| RICE | | | | - - | | |
| 1. Sto.Cristo | 20 | 34.00 | 15.00 | 16.00 | 35 | 50.00 |
| 2. Sta. Catalina | 5 | 4.00 | 40 | 48.60 | 45 | 52.60 |
| 3. Sta. Barbara | 5 | 7.00 | - | • | 5 | 7.00 |
| 4. Sta. Cruz | 18 | 30.00 | - | 4 f. = | 18 | 30.00 |
| 5. San Juan | - | | 11 | 12.00 | 11 | 12.0 |
| 6. Remedios | | : - | 31 | 34.00 | 31 | 34.0 |
| 7. Sta. Maria | _ | : - | 10 | 10.00 | 10 | 10.0 |
| 8. San Agustin | | ١. | . 16 | 22.00 | 16 | 22.0 |
| 9. San Nicolas | | | 23 | 34.00 | 23 | 34.0 |
| Sub-Total | 48 | 75.00 | 146 | 176.60 | 194 | 251.6 |
| FISHPOND | 1 . | | | · | | |
| 1. Sta. Catalina | 40 | 65.00 |) <mark> </mark> | | 40 | 65.0 |
| 2. Sta. Barbara | 20 | 35.00 |) - | | 20 | 35.0 |
| 3. San Juan | 15 | 30.00 | o - | | . 15 | 30.0 |
| 4. San Jose | 45 | i . | | ş.* | 45 | 130.0 |
| Sub-Total | 120 | | 1 | , (| 120 | 260.0 |
| 545-10mi | | | , | | | |
| GRAND TOTAL | 168 | 335.00 | 0 146 | 176.6 | 314 | 511.0 |

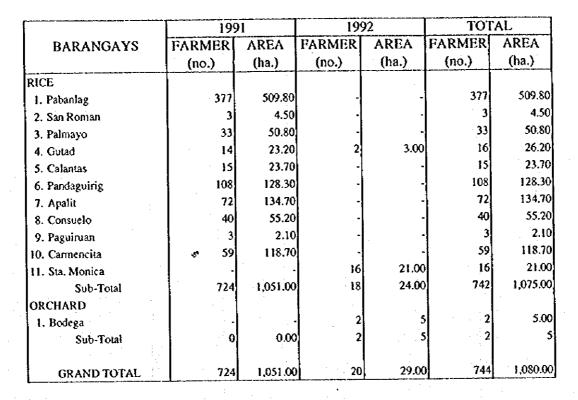
BARANGAYS AFFECTED BY LAHAR GUAGUA

| | 199 |)1 | 199 |)2 | TOT | λL |
|------------------|--------------|---------------|--------------|------------|-----------------|---------------|
| BARANGAYS | FARMER (no.) | AREA (ha.) | FARMER (no.) | AREA (ha.) | FARMER (no.) | AREA (ha.) |
| RICE | | | | | * + | |
| 1. San Juan Nepo | - 4 | 2.70 | 27 | 62.50 | 31 | 65.20 |
| 2. San Miguel |] 3 | 5.50 | s l | 16.00 | 8 | 21.50 |
| - | ا ا | 10.00 | | | 4 | 10.00 |
| 3. Sta Ines | 4 | | | 10.50 | 10 | 18.50 |
| 4. San Matias | - - 4 | 8.00 | [.6] | 10.50 | 11 | |
| TOTAL | 15 | 26.20 | 38 | 89.00 | 53 | 115.20 |



Table I.11 Damage to Agricultural Products by Barangay

BARANGAYS AFFECTED BY LAHAR FLORIDABLANCA



BARANGAYS AFFECTED BY LAHAR BACOLOR

| | 199 |)1 | 199 |)2 | TOTAL | | | | |
|------------------|--------|----------|--------|-------------|--------|----------|--|--|--|
| BARANGAYS | FARMER | AREA | FARMER | AREA | FARMER | AREA | | | |
| | (no.) | (ha.) | (no.) | (ha.) | (no.) | (ha.) | | | |
| RICE | | | | | | | | | |
| 1. Balas | 58 | 82.50 | 83.00 | 168.00 | 141 | 250.50 | | | |
| 2. Potrero | 175 | 310.00 | | • | 175 | 310.00 | | | |
| 3. San Vicente | 39 | 61.50 | - | | 39 | 61.50 | | | |
| 4. Duat | 86 | 142.50 | - | - | 86 | 142.50 | | | |
| 5, Sta. Barbara | 150 | 237.00 | | - | 150 | 237.00 | | | |
| 6. Cabetican | 100 | 188.00 | - | | 100 | 188.00 | | | |
| 7. Parulog | 56 | 105.50 | | | 56 | 105.50 | | | |
| 8. Sta. Grelanio | 82 | 127.30 | | | 82 | 127.30 | | | |
| 9. Sta. Ines | 12 | 18.00 | | | 12 | 18.00 | | | |
| 10. Tinajero | 1 | : | | | ļ | | | | |
| 11. Talba | | | | | | | | | |
| Sub-Total | 758 | 1,272.30 | 83 | 168.00 | 841 | 1,440.30 | | | |
| SUAGRCANE | | | | | 1 | | | | |
| 1. Balas | | | 17 | 53.00 | 17 | 53.00 | | | |
| Sub-Total | 0 | o | 17 | 53.00 | 17 | 53.0 | | | |
| GRAND TOTAL | 758 | 1,272.30 | . 100 | 221.00 | 858 | 1,493.3 | | | |







Table I.11 Damage to Agricultural Products by Barangay

BARANGAYS AFFECTED BY LAHAR ANGELES CITY

| | 199 | 91 | 199 |)2 | TOT | ΆL |
|--------------------|--------|--------|------------------|--------|--------|--------|
| BARANGAYS | FARMER | AREA | FARMER | AREA | FARMER | AREA |
| | (no.) | (ha.) | (no.) | (ha.) | (no.) | (ha.) |
| RICE | | | | | | |
| 1. Mining | 22 | 22.65 | - [| - | 22 | 22.65 |
| 2. Pulong Bulo | 18 | 26.00 | - | - | 18 | 26,00 |
| 3. Pulong Cacutild | 4 | 3.50 | -[| - | 4 | 3.50 |
| 4. Tabun | 26 | 33.50 | ļ - | • | 26 | 33.50 |
| 5. Cutud | 15 | 20.50 | - | | 15 | 20.50 |
| 6. Pulong Maragal | 28 | 31.50 |] - | • | 28 | 31,50 |
| 7. Capaya | 18 | 31.50 | | | 18 | 31.50 |
| 8. Sapa Libutad | 93 | 125.50 | -[| | 93 | 125.50 |
| 9. Pampang | 3 | 4.00 | - | | 3 | 4.00 |
| 10. Sto Domingo | 2 | 3.00 | | - | 2 | 3.00 |
| 11. Sapang Bato | 6 | 5.50 | .] | | 6 | 5.50 |
| Sub-Total | 235 | 307.15 | 0 | . 0 | 235 | 307.1: |
| Rootcrops | 45 | 1 | 224 | 305.15 | 269 | 585 |
| Coffee | 70 | 70.00 |) <mark> </mark> | | 70 | 70.00 |
| Leafy veg. | 25 | | 1 | | 25 | 5.00 |
| Fruit crop | 25 | 1 | | | 25 | 10.00 |
| Sub-Total | 165 | 1 45 | | 305.15 | 389 | 670.0 |
| GRAND TOTAL | 400 | | | 305.15 | 624 | 977.1 |

Table I.12 Damage Report caused by Mt. Pinatubo Eruption

DA, OFFICE OF THE PROVINCIAL VETERINARIAN DAMAMGE REPORT CAUSED BY MOUNT PINATUBO ERUPTION AS OF OCTOBER 25, 1991 ON POULTRY AND LIVESTOCK

PROVINCE : PAMPANGA MUNICIPALITIES COVERED : 14 AMOUNT : P 179,919,405

| | NO OF | | | NO. OI | NO. OF HEADS | | | Amount of | Covered by Lahar | TOTAL |
|--|-----------|----------|------------------|-------------|--------------|----------|--------|------------|------------------|-------------|
| VIII I VIII VIII VIII VIII VIII VIII V | 7 | T TITLE | CARABAO | CHIC | SWINE | GOAT | DUCK | Stocks | underground | AMOUNT |
| MONICIPALIT | ramer's | | | | | | | | Housing | |
| | Kalsei | | | | 108.6 | 005 - | 4.500 | 37,465,500 | 31,687,490 | 69,152,990 |
| 1. Porac | 368 | 220 | 20:00 | Sign Sign | | | | | | |
| | | | | 407,000 | - | | | | | 40 |
| | 220 | 8 | 122 | 174,000 | 2,045 | 95 | 4,045 | 16,852,425 | <u></u> | 30,422,423 |
| Z. Fioridabianca | į · | 5 | | | 183 | 0 | 006.1 | 422,850 | 733,500 | 1,156,350 |
| 3. Lubao | | | | 20000 | | | | 3,241,600 | 278,000 | 3,519,600 |
| 4. Guagua | 32 | • | > | 30,000 | | | | | | |
| | | | (| | 7. | | | 500,490 | 3,252,000 | 3,752,490 |
| S. Sta. Rita | 89 | | 71 | 200 | | | | | | |
| | | | | 2 | 278 | 70 | 350 | 1.856.900 | 113,850 | 1,970,750 |
| 6. Bacolor | 23 | 8 | - | • | • | | 030.0 | 777 660 | | 207 550 |
| 2 Candaba | 80 | | د ر ا | 1.3 | 52 | <u>~</u> | 706"7 | VCC. 102 | | |
| | , , | | 01 | 15.487 | 66 | - | , | 962,350 | • | 962,390 |
| 8. Minalin | · ' | | 2 | <u>.</u> | ~ | • | | 32,400 | | 32,400 |
| 9. San Fernando | 'n | | • | Since Since | o | ; | • | 574,000 | 2,510,000 | 3,084,000 |
| 10. Mexico | 90 | | • • | | 7 | 44 | 1,600 | 504,000 | | 504,000 |
| 11. Angeles City | 76 | } | - (| | | | 000 | 25,902,000 | 38,000,000 | 63,902,000 |
| 12. Mabalacat | 288 | <u>-</u> | 7 81 | 20,000 | 60.0 | - | | 780 000 | | 780,000 |
| 13. Sasmoan | 42 | | <u>o</u> | ' | | <u> </u> | 200 | 8 | 1 | 000:061 |
| 14. Sto Tomas | 84 | | - | • | | 0 1 | 3 | 003 030 | | 005 636 |
| 16 Cts I neis | 0 | | | 4,000 | 22 | <u>~</u> | | 207°* | | |
| TOTAL | 130 | 433 | 3 546 | 704,850 | 19,087 | 1,782 | 18,357 | 89,754,565 | 90,144,840 | 179,899,405 |
| 7W101 | | | | | | | | | | |



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DA, OFFICE OF THE PROVINCIAL VETERINARIAN PARTIAL DAMAGED REPORT CAUSED BY MUDFLOW AS OF OCTOBER 25, 1991 ON POULTRY AND LIVESTOCK

| TOTAL | AMOUNT | | 212,500 | na kifami | 005 626 9 | | 235 500 | 40.000 | 47 000 | 000 075 61 | | | recensor Provided | | 205,000 | 4.500 | | | | | 79.000 | 112,000 | 036 967 | 101.07* | | | 27.666.750 | |
|------------------|--------------|------------------|---------|-----------|-----------|------------|---------|------------|------------------|----------------|----------|---------------------|-------------------|--------------|--------------|------------|-------------|-----------|------------------|--------------|---------------|-------------|--------------|---------------|----|----------------|----------------|-------|
| Covered by Lahar | underground | Housing | | | 000 | 200100011 | | | - | 4 800 000 | | | | | | | | | | | | | 2 | | | | 9.400.000 | |
| Amount of | Stocks | | 212,500 | | 2 423 600 | 7,452,300 | 225 500 | 00000 | 47 000 | 000 023 7: | 222 | | | , | 205 000 | 4 500 | } | | | | 2000 | 112,000 | 000.31 | 328.750 | | | 057.995.81 | |
| | Sheep | | 9 | 8. | • | | | - | | | | | | | | | | | | | | | | | | | - 5 | - 1 |
| | Pigeon Sheep | - | 200 | | | | • | | | | | | | - | | • | | | | | | | | | | | ξ | |
| | Goat | | | 000 | | | | 5. | | | | | | | č | 3 | - | | | | 0 | 9 5 | 2 | 2 | - | | | 365 |
| | Duck | | - | 8 | | 9 | | | | | | | | | | | | | | | 5 | 3 | Š | | | | | 2,200 |
| | | 1 | - | 8 | - 1 | 05 S | : | 7 | . (| § , | 0 | 008. | | | . 5 | 3 | | | | : | | | Š | S | | | 1 | 5.437 |
| | Swine | 1 | | | | | | | | piglets | 30€ | | | | | pigiets | | | | | | : | piglets | 50 piglets | | | | |
| : | | - - - - | | 75 | | 2,500 | 8 | | | | | | | | | | ž | | | | | | | 22 | 88 | | ļ | 3,475 |
| | Chicken | : | | : | Broylar | د | ω | Layer | | | 1 | | | | | | <u>ှဲ</u> | | | | | | | <u>ز</u> | m | | | |
| | Cara | | 80 | | : : | \$9 | | | 4 | er. | | Ξ | | | | 01 | | | • | | | | ٠ | ₩. | | | | 121 |
| | <u>·····</u> | | 4 | | | ñ | - | | 5 | = | | 9 | | | | vo. | | | | | | | m | | | | | \$ |
| 15.000 | Cattle | | | . • | | | | | | | | | | | : | | | | | | | | - | | | | | |
| N. 0.6 | Farmers/ | Raiser | C | • | | 93 | | | 39 | ۳, | 4 | 9 | | | | 448 | | | | | | 82 | 9 | 8 | | | | 220 |
| | MUNICIPALITY | | | 2. Apalit | 3. Arayat | 4. Bacolor | | 5. Candaba | 6. Floridablanca | 7. Guagua | 8. Lubao | 9. Mabalacat Hy-San | 10. Macabebe | 11. Magalang | 12. Masantoi | 13. Mexico | 14. Minalin | 15. Porac | 16. San Fernando | 17. San Luis | 18. San Simon | 19. Sasmoan | 20. Sta. Ana | 21. Sta. Rita | | 22. Sto. Tomas | 23. Bahay-Pare | TOTAL |

Caused by: TYPHOON KADIANG
As of October 22, 1993

Crop : PAMPANGA

Final Report Completely Damaged with Changes

| | Number | No. of | ō | Arca | Phase | Arc | Area Affected (has. | Phase Area Affected (has.) | Yield/ha. | Actual | 74 | | |
|--|---|------------------------|--------|----------------------------|-------------------|-----------|---|----------------------------|-------------------------------|---------------|--------------|-------|---------|
| MUNICIPALITY | | Affected | Z. | Planted | ō | Total | Completely w/ changes | w/ changes | Before After | r Production | tion Value | 9 | Remarks |
| | Mun. | Barangay Farmer | Farmer | (has.) | Growth | | Damaged | of Recovery | of Recovery Calamity Calamity | uty Loss | D. | _ | |
| Summary | | | 20363 | Planti \$1.453.00 Stage | Planting Stage | 2,662.00 | 3,651.00 | 10.00 | | 17.11 | 17,159,700 | | |
| 332 | i | | | | Vegetative length | 5,492.00 | 3,665.27 | 2 | | 20.8 | 20,821,775 | | |
| - | | | | | Reproductive | 21,532.19 | 9,162.29 | 11,429.90 | | 65.4 | 65,438,873 | | |
| | | | | | Maturity | 8,569.73 | 3,692.07 | 4,867.66 | | 20.2 | 20,264,335 | - | |
| | | | | | Total | 38,255.92 | 20,170.63 | 18,115.20 | | 161,6 | 161,664,683 | | |
| 1 | | | | | | | | | | | | | |
| (Rice) | | 9 | 88 | | Vegetative length | 4.40 | 14.40 | | Nation III - III | | 81,360 | | |
| (max) | | <u></u> | | | Reproductive | 456.97 | 456.97 | | | 3.2 | 3,267,335 | ···· | |
| | | | | | Planting Stage | 7.00 | 7.90 | | | | 32,900 | ~~~ | |
| | | | | | Total | 508.37 | 478.37 | | | 33 | 3,381,595 | | |
| Other Crops | | 88 | 38 | 1,115.20 | | 577.20 | 457.55 | 119.15 | | 4,436, | 4,436,974.00 | · | |
| | | | | | | | | | | | | | |
| Livestocks | ÷ | | | | ; | | | | | 8.2 | 8.203.770 | | |
| Fisheries | ======================================= | ð | 569 | : | | 5,133 | | | | 1860 | 199,031,137 | | |
| Note: | | | | | | | | | Grand Total | P 376,718,159 | 18,159 | | |
| Input Coxt/growth stage of palay crop Planing stage · P 4,700/ha. | rput Cost/growth stage of pali Planing stage - P 4,700/ha. | of palay crop O/ha. | | | | | | | | | | | |
| Vegetative stage Reproductive stage | stage - P 5,650/h ive stage - P 7,15 | - P 5,650/ba. | | | | | | | | | | | |
| Matunity sugge | 1 | i i | | | | | | | | | | 43 | E |
| • • | | ٠ | | | | | A. C. C. C. C. C. C. C. C. C. C. C. C. C. | | | | | | |

DAMAGE REPORT
Caused by: TYPHOON KADIANG
As of October 22, 1993

Crop Province

| | | | | N & GBGD | MASOCIA GEORGEAN | ROGRAM | | | | | |
|------------------|-----------------|---------------------------------------|-------------------------|-----------------|-----------------------|-------------------------------|-----------|-------|--------------|-------|---------------------------------------|
| | 3,2 | V . | Dhace | A | Area Affected (has.) | has.) | Y ield/ha | E | Actual | | |
| | 5.55 | | | Total | Completely w/ changes | w/ chanses | Before | After | Production | Value | Remarks |
| MUNICIPALLIY | Alictica | riana | 5 | | Constant Constant | | | | £ . | r. | |
| | Barangay Farmer | ner (has.) |) Growth | | Damaged | of Recovery Calamity Calamity | Calamity | namer | (2) 8807 | 4 | |
| . Makelane | ō. | 657 1.528.00 | 3.00 Vegetative | 120.00 | 80.00 | 40.00 | 75 | 92 | 452,000.00 | | |
| 1. Machacat | | | | 380.00 | | 170.00 | 88 | 8 | 1.501.500 | | |
| _, | | ··· | Maturity | 460.50 | | 284.50 | * | 88 | 1,346,400 | | |
| | | · · · · · · · · · · · · · · · · · · · | Sub-Total | 05.096 | 466.00 | 494.50 | | _ | 3,299,900 | | |
| 7 San Earnando | Ç | 245 | 546.10 Planting stage | 151.00 | 151.00 | | | | 709,700 | | |
| AATHER 1 1964 17 | | | | 138.15 | 78.53 | 59.62 | 88 | 8 | 443,694 | | |
| | | | Reproductive | 179.05 | | 162.04 | 88 | 88 | 121,621 | | |
| | | | Maturity | 130.55 | 30.34 | 100.21 | 88 | 72 | 232,101 | | · · · · · · · · · · · · · · · · · · · |
| | | <u>.</u> | Sub-Total | 598.75 | 276.88 | 321.87 | | | 1.507.116 | | |
| 3. Porac | 81 | 447 1.29 | 1,296.00 Reproductive | 486.50 | 200:00 | 286.50 | 8 | 88 | 1,430,000.00 | | |
| 1 Sto Towns | 9 | 173 47 | 476.70 Planung stage | 49.00 | 49.00 | • | | | 230,300 | | |
| - 010: 1 One | | | | | 316.70 | | 75 | | 1,789,355 | | |
| | | | Manurty | 80.40 | 80.40 | | 8 | | 615,060 | | |
| | | | Sub-Total | 446.10 | , | | | | 2,634,715 | | |
| C Cra Pita | 1 | 153 80 | 800.00 Vegetative | 55.50 | 33.75 | 21.75 | | 2 | 190,687 | | |
| | | | | 125.00 | • | 125.00 | 8 | 75 | , | | |
| | | | Sub-Total | 180.50 | 33.75 | 146.75 | | | 190,687 | | |
| A Guamta | | 1.109 | 1,759,13 Planting stage | 10.00 | | 10.00 | | | | | |
| | | | | 60.10 | | 60.10 | | 7.5 | | | |
| - | | | Reproductive | 1.054.60 | - | 1,054.60 | | 3 | | | |
| | | <u>.</u> | Maturity | 571.43 | • | 571.43 | 88 | 4 | | | · |
| | - | | Sub-Total | 1,6%.13 | | 1,6%6.13 | | | | | |
| 7 Masantol | 10 | 8 | Planting stage | 00:088 90:00 | 00:088 | | | : | 4,136,000 | | |
| -Antonomer 1 | | | | | | | | | | | |

DAMAGE REPORT
Caused by: TYPHOON KADIANG
As of October 22,1993

Crop : Rice Province : Pampanga GPEP & NON GPEP PROGRAM

Remarks Value Ω. 7.291.713 150,150 2,857,600 179.775 214.361 1,403,775 104.525 371.025 85,880 0,831,376 1,186,500 3,306,088 1,077,120 5,569,708 327,700 759,330 2,490,805 3,141,900 371,025 8314300 8,550,330 3,325,302 Production Loss (P) Actual 8 6 6 883 Damaged of Recovery Calamity Calamity १ १ 76 Completely w/ changes | Before | After Yield/ha. 5 8 8 % 8 8 8 8 8 % 88 32.00 419.16 715.88 52.00 194.50 510.69 69.726 11.10 2,975.42 246.50 32.00 2,248,44 Area Affected (has.) 37.94 434.68 813.19 3.50 650.00 28.50 48.50 .769.00 15.20 21:0 805.20 492.44 210.00 462.39 140.80 106.20 183.50 347.70 18.50 608.00 21.00 ,805.20 1,530.51 853.84 2,450.13 221.10 2,710.83 856.68 158.20 378.00 8.50 3.50 32.00 8.50 80.50 1,769.00 15.20 594.20 608.00 650.00 3,788.61 Total 42.00 Planting stage Planting stage Reproductive Reproductive Reproductive Reproductive Sub-Total Sub-Total Sub-Total Growth Sub-Total Sub-Total Sub-Total Phase Vegelative vegetative 3,621,61 Vegetative 5,617.00 Vegetative 1,181,55 Vegetative 89.00 Vegetative Maturity Maturity Maturity Maturity Ō Maturity 36.20 Arca Planted (has.) 988 1,768 383 380 169 3 Barangay Farmer Affected No o 13 47 MUNICIPALITY 12. Floridabianca 10. Angeles City Macabebe 13. Mexico 9. Minalin 8. Bacolor







DAMAGE REPORT
Caused by: TY PHOON KADIANG
As of October 22,1993

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As of October

Pampanka

Crop Province

| | | ·. : | | | N & didat | GPEP & NON GPEP PROGRAM | SOGRAM | V | | ٠, | , | |
|------------------------|-----------------|---------|-----------|-------------------|-----------|-------------------------|-------------------------------|------------|----------|------------|-------|---------|
| |) () () | | Area | Phase | Arc | Area Affected (has.) | has.) | Yield/ha | /ha. | Actual | | |
| MUNICIPALITY | Affected | | Planted | ō | Total | Completely w/ changes | w/ changes | Before | After | Production | Value | Remarks |
| | Barangay Farmer | armer | (has.) | Growth | | Damaged | of Recovery Calamity Calamity | Calamity (| Calamity | Loss (P) | C. | |
| 14 Marijana | 20 | 1.5 | 4.616.37 | Planting stage | 29.00 | 29.00 | • | | • | 136,300 | | |
| i.v. viegatang | <u> </u> | | | Veretative | 193.69 | 29.65 | 163.99 | 75 | 2 | 167,522 | | |
| | • | | | Reproductive | 1,984.94 | 164.70 | 1,820.24 | 8 | 8 | 1,177,605 | | |
| | | | | Matunty | 991.03 | 125.80 | 865.23 | 8 | 3 | 962,370 | | |
| | - | | | Sub-Total | 3,198.61 | 349.15 | 2,849.46 | | | 2,443.797 | | |
| 16 Obs. Aug. | | Ş | 3 373.80 | Vegetative | 104.50 | 62.25 | 42.25 | 75 | 20 | 351,712 | | |
| 15. 5H. 7H. | | | | Reproductive | 577.80 | 293.50 | 284.30 | 88 | 88 | 2.098.525 | | |
| | | | | Matunty | 265.40 | 161.90 | 103.50 | 88 | ts. | 1,238,535 | | |
| | | | : | Sub-Total | 947.70 | 517.65 | 430.05 | | | 3,688,772 | | |
| 16 Amelie | 121 | - 686 | 2,241.00 | Planting stage | 75.00 | 75.00 | • | | | 352,500 | | |
| Vo. Vipanii | | | | | 1,272.00 | 786.00 | 486.00 | 8 | 8 | 5,619,900 | | |
| | | | | Maturity | 853.50 | 503.10 | 350.40 | 88 | \$\$ | 3.848.715 | | |
| | | | | Sub-Total | 2,200.50 | 1364.10 | 836.40 | | | 9,821,115 | | |
| 17 Arava? | 8 | 1 950 | 4,184.00 | Vegetative | 08.689 | 230.00 | 459.80 | | 52 | | | |
| 11. (20) | | | | | 2,146.70 | 750.00 | 1.396.70 | | | • | | |
| | | | | Matunty | \$52.90 | 220.00 | 332.90 | 8 | 5 | | | |
| | | | | Sub-Total | 3,389.40 | 1,200.00 | 2,189.40 | | | 8,345,000 | | |
| O J. P O | 8 | 3,878 | 10 101 01 | Veretative | 2,167.80 | 1,602.25 | \$65.55 | \$8 | | 9,052,712 | | |
| 18. Cancaca banay rare | | • | | | 3,273.26 | | 632.29 | 8 | 2 | | | |
| | | | | Maturity | 1,186.50 | 1.070.25 | 116.25 | 8 | 8 | | | |
| | | • | | Sub-Total | 6,627.56 | 5,313,47 | 1,314.09 | | | 36,123,059 | | |
| 10 Can Cimos | 0 | 8 | | 751.00 Vegetative | 05.095 | 418.40 | 142.10 | 8 | 8 | ત | | |
| ty. Sell Sillor | | | | Reproductive | 177.50 | \$ 50 | | 95 | 2,5 | : | | |
| | *** | | | Sub-Total | 738.00 | 512.90 | 225.10 | 0 | | 3,039,635 | | |

DAMAGE REPORT
Caused by: TYPHOON KADIANG
As of October 22,1993

Rice Pampanga

Crop Province

| | | | | <u>-</u> | SPEP & N | GPEP & NON GPEP PROCKAM | ROCKAM | | | | | |
|---------------|-----------------|--------|-------------------------|----------------|----------------|-------------------------|--|-----------|----------|------------|----------------|---------|
| | No. of | ٦ | Area | Phase | Ą | Area Affected (has.) | (has.) | Yield/ha. | 1/ha. | Actual | | |
| MUNICIPALITY | Affected | B | Planted | ٥ | Total | Completely | Completely w/ changes Before After | Before | After | Production | Value | Remarks |
| | Barangay Farmer | Farmer | (has.) | Growth | | Damaged | Damaged of Recovery Calamity Calamity | Calamity | Calamity | Loss (P) | C. | |
| 20. Sag Luiis | 13 | 157 | 731 2,661.50 Vegetative | Vegetative | 368.10 | 328.80 | 39.30 | 81 | 8 | 1,857,720 | | |
| | | | | Reproductive | \$1.00 | 941.00 | • | 81 | | 6.728.150 | | |
| | ·: | | | Sub-Total | 1,309,10 | 1,269.80 | 39.30 | | | 8,585,870 | | |
| 21. Lubao | ** | l l | 3528 6,420.00 | Planting stage | 00:00 00:00 | 00:06 | | 1 | • | 423,000 | | |
| | | | | Vegetative | 307.54 | 165.30 | 142.42 | 8 | 75 | 933,945 | _ - | |
| | | | - | Reproductive | 3.563.30 | 1,445.20 | 2,118.10 | 8 | 75 | 10,333,180 | | |
| | | | | Matunty | 1,307.00 | 493.30 | 813.70 | 8 | 8 | 3,773,745 | | |
| | | | | Sub-Total | 5,267.84 | 2,193.80 | 3.074.22 | | | 15,463,870 | · | |

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DAMAGE REPORT
Caused by: TYPHOON KADIANG
As of October 22,1993

Crop Province

| | Joon | ٦ | Arca | Phase | A | Area Affected (has.) | has.) | Yield/ha. | /ha | Actual | | ! |
|----------------------|-----------------|---------|---------|---------------|--------|-----------------------|---------------------------------------|-----------|----------|------------|--------------|---------|
| MINICIPALITY | Affected | . 3 | Pianted | o, | Total | Completely w/ changes | w/changes | Before | After | Production | Value | Remarks |
| | Barangay Farmer | Farmer | (has.) | Growth | | Damaged | Damaged of Recovery Calamity Calamity | Calamity | Calamity | Loss (P) | ۵ | |
| | | | 00000 | | 360.46 | 242 70 | 11675 | | | | 1.859,400.00 | |
| Fruit Vegetables | <u>چ</u> | 355 | 00:00 | | | 4 | | | | | 124 750 00 | |
| Loumes | 3 | ន | 25.00 | | 17.25 | 17.25 | | | | | 00.00.00 | |
| Vellon Com | | | 10.50 | | 3.00 | 3.00 | | | | | 20,100,00 | |
| Post Cook | | 8 | 379.50 | | 177.00 | 177.00 | | | | | 1,947,000.00 | |
| Noor Crops | · • | 7 | 78.20 | - | 8.50 | 8.00 | | | | | 41,000.00 | |
| Leary vegetables | · · · · | 2 8 | | | 12.00 | | 2.40 | | | | 444,724.35 | |
| - Sprander | | | | · · · · · | | | | | | | | |
| | | 7, | 111520 | | 577.20 | 457.55 | 119.15 | | | | 4,436,974.35 | |
| mo 1 | 3 | | | | | | | | | | | |
| Sta. Rita | 2 | 8 | 30.00 | Reproductive | 30.00 | | 30.00 | | | | , | |
| Ser. Rita | •• | 25 | 22.50 | Harvestable | 22.50 | 22.50 | • | | | | 77,017 | |
| Gnowie | | 72 | | Harvestable | 10.10 | 1 | 10.10 | | | | , | |
| Mexim | ۳. | 4 | 14.00 | Harvestable | 200 | 2.00 | į | | | | 22,000 | |
| Candaha & Bahav Pare | | 123 | | Newly Planted | 208.70 | 208.70 | ٠ | | | | 1.460.900 | |
| Prople | - | 4 | 12.80 | Vegetative | 3.00 | 3.00 | • | | | | 33,000 | |
| Angeles City | | <u></u> | 10.00 | | 4.40 | | 04.40 | | | | | |
| Sra Ans | • | 110 | | Vegetative | 72.25 | ' | 72.25 | | | | | |
| Mahalarat | · | | | | 3.00 | 3.00 | | | | | 33,000 | |
| San Simon | . w | | | | 3.50 | 3.50 | | | | | 38,500 | |
| | | • • | | | 360.46 | 07. 222 | 11675 | : : | | | 1,859,400 | |
| Total | 8 | 382 | 650:00 | | | | | | | | | |

DAMAGE REPORT
Caused by: TYPHOON KADIANG
As of October 22,1993

| - | Legimes |
|---|---------|
| | - |
| | |

Pampanga

Crop Province

| | No. of | o Jo | Area | Phase | Ar | Area Affected (has.) | has.) | Yield/ha. | Vha. | Actual | - | |
|------------------|-----------------|---------|---------|-------------|--------|-----------------------|-------------|-------------------|-------------|------------|------------|---------|
| MUNICIPALITY | Affected | द्ध | Planted | ້ ວັ | Total | Completely w/ changes | | Before | After | Production | Value | Remarks |
| | Barangay Farmer | Farmer | (has.) | Growth | - | Damaged | of Recovery | Calamity Calamity | Calamity | Loss (P) | ۵ | |
| Angeles City | - | S | 8:00 | Vegetative | 4.00 | 4.00 | | | | | 32,000 | |
| Mabalacat | | 18 | 20 | 11. | 13.25 | 13.25 | | | | | 92,750 | |
| Total | 3 | 23 | 25.00 | | 17.25 | 17.25 | | | | | 124,750 | |
| Yellow Corn | | | | | - | | | | - | | | |
| Mabalacat | | m | 10.50 | Harvestable | 3.00 | 3.00 | | | | : | 20.100 | |
| Total | I | | 10.50 | | 3.00 | 3.00 | | | | | 20,100 | |
| Root Crops | | | | | | | | | | | | |
| Angeles City | 9 | 8 | 100.00 | Vegetative | 95.09 | : | - | | | | 965.500 | - |
| Mabalacat | m | 33 | 279.50 | Vegetative | 116.50 | | | | | | 1.281.500 | |
| Total | 6 | 8 | 379.50 | | 177.00 | 177.00 | | | | | 1,947,000 | |
| | | | | | | | | | | | | |
| Leafy Vegetables | | | | | | | | | | | | |
| Sta. Ana | | 4 | 0.70 | Vegetative | 0.55 | | | | | | 2,750 | |
| Bacolor | | | 0.50 | Vegetative | 0.50 | | | | | | 2,500 | |
| Angeles City | | 71 | 35.50 | Vegetative | 6.45 | | | | | | 32.250 | |
| Magalang | | 4 | 1.50 | Harvestable | 8.1 | : | | | | | 3,500 | |
| Total | • | 26 | 38.20 | | 8.50 | 8:00 | | | | | 41,000 | |
| Asparagus | | | | | | | | | | | | |
| Mexico | | 18 | 11.00 | Harvestable | 11.00 | | | | | | 421,561.60 | |
| Magalang | | 7 | 1.00 | Harvestable | 8 | | | | | | 23,162,75 | |
| Total | | 8 | 12.00 | | 12.00 | 9.60 | 2,40 | | | | 444,724.35 | |
| | . : | | | | | | | | | | | |



DAMAGE REPORT
Caused by : TY PHOON KADIANG
As of October 22,1993

Crop : Fisheries Province : Pampanga

| | | 7 | | | | | | | | | | | | | | | | |
|----------------------|-----------------------|-------------------------------|------------|-----------|----------------|------------|-----------|-----------------|------------|------------|---|------------------|-------------|---------------|-----------|------------|-------------|--------------|
| | Remarks | | | | | | | | | | | | | | | | - | Berry Proper |
| | Valuc | ۵. | 27,180,000 | 7,571,480 | 20,983,082 | 20.807.200 | 2,780,000 | 1,890,000 | 53,702,500 | 15.000.000 | 7,445,750 | 17,635,250 | 4.726.875 | 860,000 | 4.475,000 | 13,974,000 | 100 021 127 |)C1,1C0,7C1 |
| Actual | Production | Loss (P) | | | | | 883,000 | | | | 468,000 | | 1,220,000 | 215,000 | | 1,865,100 | | |
| 1/ha | After | Calamity | | | | | | | | _ | | | | | | | | , . |
| Yicld/ha | Before | Calamity | | | | | | | | | | | | | | | | |
| has.) | w/ changes | of Recovery Calamity Calamity | | | | | | | | | | | | | . | | | |
| Area Affected (has.) | Completely w/ changes | Damaged | | | | | | - •- | | | | | | | | | | |
| Ar | Total | | 00.906 | 120.00 | 1,068,00 | 420.00 | 20.60 | \$.38 | 1,093.10 | 617.00 | | 478315 | 41.25 | 10.10 | 190.00 | 104.30 | 5,132.67 | |
| Phase | ŏ | Growth | | Ranous | Tilana | Prawn | | | | | | | | | | | · · | |
| Area | Planted | (has.) | | | - - | | | | - | | | | - | | _ | | | |
| jo | tod | Farmer | 435 | | | | 7 | 37 | 6 | . 7 | | 4 | * | <u> </u> | 21 | 726 | 1,495 | : |
| No. o. | Affected | Barangay Farmer | 7 | 9 | | | 7 | , ľ | | | : | | | - v | _ | 01 | ス | 1 |
| | MUNICIPALITY | | Minalin | Versions. | Niasanto. | | A | Ste Tomas | Moralele | Seeming | T. C. C. C. C. C. C. C. C. C. C. C. C. C. | Cubaco Cardon | September 1 | Stati Stitton | Charges | San Luis | Total | |

DAMAGE REPORT
Caused by: TYPHOON KADIANG
As of October 22,1993

Province

| | | | Phase of growth | Ä | Area Affected (has.) | nas.) | Yic | Yield/ha. | Actual | | |
|-------------------------|----------|-----------------------------|------------------------|-------|----------------------|----------------------|-----------------|---------------|------------------------------|---------------|---------|
| Name of Farmer | | Crop | Seedling, Vegetative, | Total | Completely | w/ changes | Before | After | Production | Valuc | Remarks |
| | Barangay | Farmer | Reproductive, Maturity | | | of Recovery Calamity | Calamity | Calamity | Loss (P) | Δ. | |
| (Y) | (9) | () | (D) | (E) | (F) | <u>(</u>) | $\widehat{\Xi}$ | (1) | 6 | (<u>X</u> | Ð |
| 12. Candaba (Tag. Reg.) | | · | | | | | | | | | |
| | Summan: | | | | -1 | : | | | | | |
| | | Poultry | Poultry - 4,455 has. | d. | 105,800.00 | | | : | • | | |
| | | Carabao 44 hns. | - 44 has. | ı | 610,008.00 | | | carabao | A. | 40,000.00 | |
| | - | Native Chicken . 1,255 has. | . 1,255 has. | • | 62,720.00 | | | cattle | 1 | 72,000.00 | |
| | | Goats | Goats - 53 has. | • | 35,200.00 | | | prglets | 1 | 101,000.00 | |
| | | ducks | ducks - 15,078 has. | | 732,592.00 | | | ducks | , | 56.350.00 | |
| | | Piglets | Piglets - 641 has. | • | 643,000.00 | | | weannings | , | 19,000.00 | |
| | | Turkey | Turkey - 70 bas. | | 2,100.00 | | • | growers | | 15,000.00 | |
| | | STOOP . | dogs - 5 bas. | • | 2,500.00 | | | Sow | , | 20,000.00 | ******* |
| | | Crowers | Crowers - 157,005 has. | • | 3,199,500.00 | | | Patterners | , | 20,000.00 | |
| | | Batteners | Batteners - 466 has. | 1 | 932,000.00 | | | gilt-Pregnant | • | 6,000.00 | |
| | | Sow | Sow - 64 has. | | 377,000.00 | | | | <u>a.</u> | 349,350.00 | |
| | | cattle | cattle - 20 bas. | | 300,000.00 | | | | | | |
| <u></u> | | Fighting Cock - 170 has. | - 170 has. | | 206,000.00 | | | | | | |
| | | Caracow - 1 has. | - 1 has. | • | 40,000.00 | | | | | | \ |
| | | F | Calf - 1 bas. | • | 6,000.00 | | | | | | |
| | | Layers | Layers - 5,000 has. | | 00:000'009 | | | | P 7,854,420,00 | | |
| Total | | | | Ω., | 7,854,420.00 | | | | 349350.00 | | - Pui |
| | | | | | | | | | P 8,203,770.00 * Grand Total | * Grand Total | |
| | | | | | | : | | | | | |

DAMAGE REPORT
Caused by: TYPHOON KADIANG
As of October 22,1993

0

Province :

| | | c Remarks | | £ | 90 | 20.00 | 10,000.00 | 348,000.00 | 45,000.00 | 544,750.00 | 272,000.00 | 39,000.00 | 34,000.00 | 778,000.00 | 20,000.00 | 306,000,00 | 20,000,00 | 00000 | 0,000.00 | 400:00 | 1,475,400.00 | 200,000,000 | 15,000.00 | 40,000.00 | 20,000.00 | 40,000.00 | 100,000,001 | 10,000,00 | 16,000.00 | 26,000.00 |
|------------|----------------------|-----------------------|------------------------|------------|-----|--------------|-----------|------------|-----------|------------|--------------|--------------|-----------|------------|------------|------------|---------------|---------|----------|--------|--------------|-----------------|-------------------|------------|--------------|-----------|-------------|-----------|-------------|-----------|
| | | Value | <u>α</u> | સ | 2 | F 141,/30.00 | 10,0 | 348.0 | 45,0 | \$44 | 272 | 39. | ģ | 1 2 | ద్ద | 306 | 20 | ` | <i>5</i> | | 1,475 | 8 | 15 | 4 | 8 | 3 | 001 | 91 | 91 | |
| | Actual | Production | Loss (P) | (f) | | | | | | Sub-Total | | | | | | | | | | | Sub-Total | | | | | | Sub-Total | | | Sub-Total |
| | Yield/ha. | After | Calamity | € | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Yie | Before | Calamity | Ξ | | | | | | | - | | | | | | | | | | ļ | | | | | | | | · · · · · · | |
| | as.) | w/ changes | of Recovery Calamity | <u>(</u> | | | | | | | | | | | | | | | | | | | | | | | | : | | |
| LIVESTOCKS | Area Affected (has.) | Completely | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VI. | Are | Total | | <u>(i)</u> | | 4050 bass. | 5 has. | SAS has | 15 has | | 18 has | 12 has | 2, 7, | 380 has | | 10.10 | 170 bas. | See . | ा प्रका | 1 has. | | 5000 has. | 300 has. | 40 % | - A | Se de Se | | act Of | 2 has. | |
| ** | Phase of growth | Seedling, Veretative, | Reproductive, Maturity | Ę | | 150 ducks | Fallenner | | nowic. | 100 | ero Caronhao | Caracian | *05 | projects | T BITCHETS | growers | Fighting Cock | Caracow | Jig. | goat | | 3 Lavers | 20 Native Chicken | | 12 Polets | growers | Sows | | Sow | |
| | | 90 | | |) | 150 | | : | | | 2 | 8 | • | | | | | | | | | • | 5 | | 77 | : | | | • | |
| | | | Baranoav | ά | ì | 90 | | | | 1 | Ş | 3 | | | | | | | | : | | • | ſ | 1 | - | 1 | | | | |
| | | No see of Manager | | | (w) | t tubeo | | -1 | | | i | 2. Str. Rita | | | | | | | | | | 2 Misselin | S. PARIDALIDA | 4. Magaumg | S, Porac | | | | 6. Gungua | |

DAMAGE REPORT Caused by : TYPHOON KADIANG As of October 22,1993

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Pampanga

Province

Remarks Ĵ 34,800.00 5,000.00 17,000.00 00.000,001 443,820,00 40,000.00 \$4,250.00 12,000.00 47,750.00 84,000.00 32,000.00 59,500.00 7,750.00 1,196,000.00 125,000.00 240,000.00 240,000.00 300,000,00 P 52,500.00 3,159,500.00 147,000.00 44,000.00 Value ë 8 Sub-Total Sub-Total Sub-Total Sub-Total Production Loss (P) Actual 5 Damaged of Recovery Calamity Calamity After Θ Yicld/ha. Area Affected (has.) Yie Completely w/ changes Before $\widehat{\Xi}$ 9 LIVESTOCKS Œ 4200 has 72 has. 125 bas. 30 has. 16 has. 20 has. 3500 has. 157975 has. 6828 has. 1.550 has. 955 has. 119 has. 84 has. 10 has. 52 has. 4 has. 4 bas. i bas. न्त्र जिल्ला 2 bas. $\widehat{\mathbf{m}}$ Seedling, Vegetative, Reproductive, Maturity Phase of growth 6 Native Chicken Swinc/Piglets 35 Carabao 9 Growers Sow Carabao 3 Carabao Fattener SO Carabao Piglets ducks Cattle piglets Poultry SO ducks Swine ducks Cattle goats Crop Farmer 9 7 Barangay (B) 8 Name of Farmer (Tagalog Reg.) € 7. Floridablanca 10. Macabebe 12. Candaba 11. Sen Luis 9. Candaba 8. Arayat





Caused by: TYPHOON KADIANG
As of October 22,1993

| | , | Remarks | | 3 | | | | | | | | | | | | | | | | |
|------------|---|------------------------------|---------------------------------------|-----------------|-----------|----------------|-----------|--------|-----------|-----------|-----------|-----------|---------------|---------|------------|----|---|---------|--------|--|
| | , , , , , , , , , , , , , , , , , , , | Value | Ω. | (3) | 19,000.00 | 15,000.00 | 20 000 00 | 000000 | 00.000,00 | 41,300.00 | 20,000,00 | 00:000'9 | 5 | 7.00.00 | 163,600,00 | | - | | | |
| | Actual | Production | (°) SSO | 5 | • | | | | | - | | <u>·</u> | | | Sub-Total | | | | | |
| | Yield/ha | After | Calamity | (£) | | | | | | | | | | | | | | | | |
| | Yic | Before | Calamity | (H) | | | • | | | | | | | | | | | | | |
| | las.) | Completely w/ changes Before | Damaged of Recovery Calamity Calamity | (၁) | | | | | | | | | | | | | | | · · | |
| LIVESTOCKS | Area Affected (has.) | Completely | Damaged | Œ | | | | | | | | | | ; | | | | | | |
| 1 | Ā | Total | | Θ | 3 | SPECIAL STATES | o has | 4 has. | S has. | &3 has. | , r | J. Dats. | 1 has. | So has. | | | | . : | | |
| | Phase of growth | Seedling Vegetative. | Dependencial Maturity | (D) | | 36 Wennings | Growers | Sow | Carle | Piolets | | Falteners | Gilt-perguany | Docks | | | | | | |
| · | | Š | 1010 | |) | 36 | | | | | | | | | | | | | | |
| Pampanga | | | Ç | Darangay (B) | | 01 | | | | | | | | : | | | | | | |
| Province : | | | Name of Farmer | (*) | દે | 13. San Simon | | | | | · | | | · | | 30 | | | | |

Updated List of Existing CIS/PIS Affected by Lahar As of December 31, 1993

| Name of CIS/PIS | Location | Service | Affected | Affected | Remaining |
|-------------------------|---------------|-------------|-------------|--------------------|-------------|
| | | Area (ha) | Area (ha.) | FB (No. of person) | Area (ha.) |
| | | | | | |
| 1. Bacolor CIS | Bacolor | 112 | 82 | 42 | 30 |
| 2. Lower St. Bacolor | -do- | 162 | 162 | 60 | • - |
| 3. Macabali CIS | -do- | 60 | 60 | 30 | - |
| 4. Cabatican CI | -do- | 55 | 55 | 36 | |
| 5. Parulog CIS | -do- | 36 | 36 | 43 | |
| 6. San Juan Nopo CIS | Guagua | 66 | 42 | 26 | 24 |
| 7. Macapagal CIS | Sta. Rita | 63 | 63 | 37 | - |
| 8. Lamamana CIS | -do | 45 | 45 | 28 | - |
| 9. Magsaysay CIS | -do- | 228 | 92 | 43 | 136 |
| 10. Tugtugan CIS | Floridablanca | 211 | 137 | 121 | 74 |
| 11. Dungang Gainto CIS | Mexico | 162 | 22 | 16 | 140 |
| 12. Batis San CIS | -do- | 103 | 20 | 15 | 83 |
| 13. Abacan CIS | -do- | 90 | 90 | 60 | |
| 14. Anao CIS | -do- | 120 | 36 | 24 | 84 |
| 15. San Jose Malino CIS | -do- | 77 | 16 | 9 | 61 |
| 16. Masoup CIS | Mabalacat | 460 | 460 | 123 | |
| 17. Sapang Balen CIS | -do- | 140 | 140 | 90 | |
| 18. Quitangil CIS | -do- | 114 | 40 | 17 | 74 |
| 19. Balen San Roque CIS | Magalang | 450 | 35 | 23 | 415 |
| 20. Manibaug CIS | Porac | 175 | 175 | 115 | |
| 21. Porac CIS | -do- | 165 | 165 | 110 | |
| 22. San Agustin CIS | Sta. Ana | <i>7</i> 8 | 32 | 21 | 46 |
| 23. Sán Roque CIS | -do- | 99 | 23 | 21 | 76 |
| Total | | 3,271 (has) | 2,028 (has) | 1,110 | 1,243 (has) |







REPUBLIC OF THE PHILIPPINE OFFICE OF THE PROVINCIAL AGRICULTURIST Province of Tarlac

Roots Crops/Legumes Damages Area and Value

| Vunnicipality Rood Crops 1992 1993 1993 Vunnicipality Area Area Rood Crops Legumes Legumes Area Area Area Area Area Area Area Chaccy Value (fasc) Value (fasc) Value Area Area Concepcion 30 P. 150.00 P. 150.00 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Г</th> | | | | | | | | | | | | | | Г |
|--|---------------|--------|-------|--|--------|--------|-------|--------|-------|--------|----------|--------|-------|-------------|
| 17 Root Crops Legumes Root Crops Legumes Root Crops Legumes Area Are | | | | ā | | | | 1992 | | | 61 | 83 | | |
| Area Area Area Area Area Area (taxs.) Value (thas.) Value (thas.) Value (thas.) 30 P 150.00 | Villericinal | Root | | | egumes | Root (| | 1 | Sauns | Root | Crops | 20.1 | yumes | - |
| (fass.) Value (fass.) Value (fass.) Value (fass.) on 30 P 150.00 P | Carpot Sample | Area | | Area | , | Area | | | | Area | | Arca | | <u>.</u> |
| 30 P 150.00 | | (has.) | Value | (has.) | Value | (has.) | Value | (has.) | Value | (has.) | Value | (has.) | Value | -1 |
| 8 | | | | | | | | | | | | | | |
| 30 | Bamban | | | | | | | | | | | | | |
| £ | Concencion | 30 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| ę, | Capas | | | | | | | | | | | | | |
| 8 | | | | | | | | - | | | | | | |
| | Total | 30 | | | | | | : | | | | | | |
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REPUBLIC OF THE PHILIPPINE OFFICE OF THE PROVINCIAL AGRICULTURIST Province of Tarlac

Com and Sugarcane Damage Area and value

| | | 1661 | 91 | | | | 1992 | | | 11 | 1993 | |
|--------------|----------------|--------------|----------------|-------------|----------------|----------|----------------|----------------|----------------|------------|-----------------------|--|
| Municipality | Rool | Root Crops | | Legumes | Root Crops | rops | 3 | Cegumes | Roc | Root Crops | | Legumes |
| | Arca (has.) | Value | Arca (has.) | Value | Area (has.) | Value | Area (has.) | Value | Area (has.) | Value | Arca (has.) | Value |
| Bamban | | | 006 | P 18,000.00 | , | | 400 | P 8,000,000.00 | | | 30 | P 600,000.00 |
| Concepcion | 23 | P 120,000.00 | 8 | 2,000.00 | 150 | 1,200.00 | 8 | 1,000,000 | | | 30 | 00.000,000 |
| Capas | | | 8 | 400.00 | | <u>.</u> | 20 | 400,000 | | | | angen angen abis desirabilis desirabilis desirabilis desirabilis desirabilis desirabilis desirabilis desirabil |
| Total | 15 | P 120,000.00 | 1,020 | 20,400.00 | 150.00 | 1,200.00 | 470 | 9,400,000 | | | \$ | P 1,200,000.00 |
| | 14 | | | | | | | | | | | |
| | | | | | | | | <u>.</u> | | | british blocks one ma | |
| | : | | | | | | | | | · | | |
| | | | | : | | | | | | | | |





REPUBLIC OF THE PHILIPPINE OFFICE OF THE PROVINCIAL AGRICULTURIST Province of Tarlac

Rice & Vegetative Damaged Area and Value

| Area Area <th< th=""><th>Arange Arange Arange<</th></th<> | Arange Arange< |
|--|---|
| Arca Arca Arca Arca Arca Arca Arca Arca Arca Arca Arca Value (has.) Value Arca Value (has.) Value (has.) Value Arca Value (has.) Value (has.) Value (has.) Value (has.) Value (has.) Value Value Arca Value | 000.000.000.000.000.000.000.000.000.00 |
| 0 400 6,000.00 5 40,000 52 780,000.00 5 0 1,700 25,500.00 10 80,000 100 1,500,000.00 7 0 600 9,000.00 2 16,000 50 750,000.00 2 0 2,700 40,500.00 17 136,000 202 3,030,000.00 14 | Q Q Q |
| 1,700 25,500.00 10 80,000 7 600 9,000.00 2 16,000 50 750,000.00 2 2,700 40,500.00 17 136,000 202 3,030,000.00 14 | |
| 600 9,000,000 2 16,000 50 750,000.00 2 2,700 40,500.00 17 136,000 202 3,030,000.00 14 | 000.000 |
| 2,700 40,500.00 17 136,000 202 3,030,000.00 14 | |
| | 232,000.00 |
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DAMAGE TO AGRICULTURE Typhoon cadiang, Province of Tarlac As of 8:00 A.M. October 11, 1993

| Municipality | Rice | Vegetables | Fisheries | Livestock | Fishpond Facilities | Total |
|--------------|------------------|----------------|----------------|----------------|------------------------|------------------|
| Ist District | | | | | | |
| Ад20 | P 4,845,500.00 | - | P 500.00 | | - | P 4,846,000.00 |
| Camiling | 72,762,120.00 | P 1,440,000.00 | 355,000.00 | P 31,500.00 | • | 74,588,620.00 |
| Mayantoc | 32,391,000.00 | - | 20,000.00 | - | - | 32,411,000.00 |
| Moncada | 74,328,225.00 | • | 45,250.00 | 18,500.00 | • | 74,391,975.00 |
| Paniqui | 11,292,000.00 | - | 2,300,000.00 | - | • | 13,592,000.00 |
| Pura | 14,154,000.00 | 25,000.00 | 160,000.00 | 28,000.00 | - | 14,367,000.00 |
| Ramos | 1,411,950.00 | - | 5,250.00 | | - | 1,417,200.00 |
| San Clemente | 19,990,000.00 | - | 10,000.00 | - | <u> </u> | 20,000,000.00 |
| San Miguel | 21,967,500.00 | 30,000.00 | 2,500.00 | - | • | 22,000,000.00 |
| Sta Ignacia | 23,515,000.00 | - | 4,680,000.00 | - | - | 28,195,000.00 |
| Sub-Total | P 276,657,295.00 | P 1,495,000.00 | P 7,578,500.00 | P 78,000.00 | | P 285,808,795.00 |
| 2nd District | | | | | | |
| Gerona | P 10,180,200.00 | - | P 50,000.00 | ~ | • | P 10,230,200.00 |
| San Jose | 21,532,500.00 | - | 5,000.00 | - | . - | 21,537,500.00 |
| Tarlac | 75,680,700.00 | - | 30,200.00 | - | P 3,000.00 | 75,713,900.00 |
| Victoria | 12,391,500.00 | 80,000.00 | 237,500.00 | | 8,000.00 | 12,717,000.00 |
| Sub-Total | P 119,784,900.00 | P 80,000.00 | P 322,700.00 | P 0.00 | P 11,000.00 | P 120,198,600.00 |
| 3rd District | | | | į | | |
| Bamban | P 3,810,000.00 | • | P 15,250.00 | - " | - | P 3,825,250.00 |
| Capas | 10,308,800.00 | - | 10,000.00 | P 1,147,200.00 | - | 11,466,000.00 |
| Concepcion | 32,360,823.00 | | 40,250.00 | - | - | 32,401,073.00 |
| La Paz | 33,272,750.00 | - | 80,250.00 | • | P 14,000.00 | 33,367,000.00 |
| Sub-Total | P 79,752,373.00 | P 0.00 | P 145,750.00 | P 1,147,200.00 | P 14,000.00 | P 81,059,323.00 |
| Grand Total | P 476,194,568.00 | P 0.00 | P 145,750.00 | P 1,147,200.00 | | P 81,059,323.00 |





Republic of the Philippine Office of the Provincial Agriculturist

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Terminal Report on Damages Caused By Typhoon "Cadiang" As of October 12, 1993 12:00 Noon

| L | | | | | Area Allected (Ha.) | 15d (TP) | Estimate | Estimated Yield/Ha. | ronchon | |
|--------------|--------------|----------------|------------------|----------|---------------------|----------------------|----------|---------------------|------------------|---|
| | No. of | Area | Stage | | | | 50 kg | 50 kg./sack | sso_ | |
| Municipality | Affected | Planted | Ö | Total | Completely | w/ changes | Before | After | (G*I)/H(I-J) | Value |
| | Brgy. Farmer | (Has.) | Crop | | Damaged | of Recovery Calamity | Calamity | Calamity | | Δ, |
| € | (C) (a) | <u>@</u> | (E) | (F) | (<u>G</u>) | (H) | 3 | 6 | (\$) | 5 |
| Ist Dismot | | | | | | | | | | |
| Уизо | 9 523 | 787 | Reproductive/ | | | | | | | |
| | | : | Maturity | 782.00 | 82 | 700.00 | * | <u>ts</u> | 16,152 | 4,845,600.00 |
| | : | , 100 , 100 | 3 | #64 to | <u> </u> | 284 10 | 8 | - 5 | 21.307.50 | 6.392.250.00 |
| Camiling | 06 | 07:487 | 79+10 Achemone | 20.40 | | A | | 5 | 200 | 000000000000000000000000000000000000000 |
| | 282 | 408.75 | Reproductive | 408.75 | 0 | 408.75 | 8 | 0 | 32./00 | 20000000 |
| | 828 | 1,241,31 | Flowering | 1,241,31 | 1,241,31 | 0 | 8 | 0 | 111,717.90 | 33,515,370,00 |
| | \$ | 1,17,44 | Maturity | 1.17.4 | | 1,177.44 | 8 | 15 | 88,308 | 26,492,400.00 |
| | | | | | | | | | | |
| Mayantoc | 24 859 | 160 | Flowering | 760 | • | 290 | 8 | 35 | 41,800 | 12,540,000.00 |
| | | 1.018 | Milking | 1,018 | 0 | 1.018 | 8 | 04 | 006'08 | 15,270,000.00 |
| | 1365 | 1,289 | Milking | 1.289 | 0 | 1,289 | 8 | S | 15.270 | 4,581,000.00 |
| | | | | | | | | | | |
| Mondaca | 11 788 | 1.085.60 | Maturity | 1,085.60 | 88 | 1,000.60 | 8 | 8 | 42.246 | 12,673,800.00 |
| | 17 | 22.20 | 22.20 Tellenne | 22.20 | 0 | 22.20 | 88 | 8 | 111 | 33,300,00 |
| | | 1889.95 | Maturity | 1,889.95 | 0 | \$6.688.1 | 88 | 75 | 18,899.50 | 5,669,850.00 |
| | | 223.25 | Booting | 223.25 | 223.25 | 0.00 | 8 | 0 | 18,976.25 | 5.692.875.00 |
| | | | | , | | | | | | • |
| Panioni | 16 | 1,177 | Reproductive | 1.177 | 0 | 1.177 | 8 | 8 | | 7,062,000.00 |
| • | 15 471 | 705 | Milking | 705 | 0 | 705 | 88 | 8 | P 14,100.00 | 4,230,000.00 |
| | | | | | | | | 7 | 000000 | 1 980 000 00 |
| Pura | 8 72: | 099 | Ready to Harvest | 80099 | | | | | | וייייייייייייייייייייייייייייייייייייי |
| | 8 22 | \$9:199 | Flowering | 661.65 | 450 | 211.65 | 8 | 8 | P 42,933.00 | 12,879,900.00 |

Tarlac Rice

| Ist District | | | | | <u> </u> | | i t | | | 7 | 27,200,000 |
|--------------|-----|--------|------------|--|-----------|----------|-----------|------------|----------------|------------|---|
| Ramos | ∞ | 180 | | 237 Ready to Harvest | <u> </u> | 5 | à à | 3 | 3 . | Ť | 2000000 |
| San Clemente | 91 | 617 | 3 5 | 950 Reproductive/ Ready to Harvest | 056 | 2005 | 450 | 8 | 31.50 | 66,575.00 | 19,972,500.00 |
| San Manuel | 88 | 312 | . 33 | 423 Howening/Maturity 370.49 Booting/Riping | 370.49 | 370.49 | <u> </u> | 88 | <u>o</u> c | 38,839 | 11,651,700,00 |
| Sta. Ignacia | 16 | 350 | | 750 Flowering 450 Maurity | 750 | 750 | 200 | % % | 0 \$ | 30,000 | 9,000,000.00 |
| Sub-Total | 88 | 13,564 | 16,565.74 | | 16,565.74 | 4,325.05 | 12,240.69 | | | 786,170.72 | 248,649,216.00 |
| 2nd District | | | | | | | | | | | 1 |
| Gerona | 8 | | : | Flowenny | 883 | 8 0 | 883 | 8 8 | 8 4 | 33.934 | 10,180,200.00 |
| San Jose | E1 | 204 | | 9(0) -co- | 1233 | 0 | 1,233 | 8 | 8 | 30,825 | 9,247,500.00 |
| Tarlac | \$6 | | | 96 Flowering/Maturity | 8 | 16 | 8 | 88 | 8 | 2,240 | 672,000.00 |
| | 7 | | 71 | 1.575 Flowering | 1.575 | 0 | 1.575 | 8 | 33 | 89.775 | 26,932,500,00 |
| | 22 | 2,100 | 2,80 | 2,802 Milking 6 Maturity | 2,802 | 00 | 2.802 | 88 | 7 0 | 540 540 | 162,000.00 |
| Victoria | 8 | 485 | | 1,085.60 Reproductive | 1,085.60 | S0 | 1,000.60 | 88 | झ | 42,246 | 12,673,800.00 |
| | 8 | . (4 | | 3,896 Maturity | 3.896 | 0 | 3,896 | € | 4 | 167.528 | 50,258,400,00 |
| Sub-Total | 100 | 8.538 | 12,496.60 | Q | 12,496.60 | 107 | 12,389.60 | <u> </u> | | \$67,752 | 170,325,600.00 |
| 3rd District | | | | | | | | | | i i | 50 000 |
| Bamban | 8 | | | 175 Flowering | 175 | 75 | 8 8 | 8 8 | 8 3 | 12,700 | 000000000000000000000000000000000000000 |
| Capas | 8 | | | 898 Flowering/Maturity | 868 | 0 (| 898 | 3 8 | } | 53,022 | \$ 142,700,00 |
| Concepcion | 8 8 | 1.551 | | 4,152.75 Reproductive Maturity | 6,7561.4 | è c | 0 | 2 % | 3 & | 625 | 193,085.00 |
| 7a. 27 | 3 | | | 1 233 79 Veretable | 1.233.79 | 0 | 1,233.79 | 8 | 33 | 12,337,40 | 3,701,370.00 |
| • | | 1.236 | ! | 2.129 Reproductive | 2,129 | 200 | 1,629 | 8 | 33 | 76,080 | 22,824,000.00 |
| | | 385 | | 1.020 Maturity | 1,020 | 23 | 86 | 8 | -6- | 28,860 | 3,658,000.00 |
| •• •• •• | | | : | | | | | × 1 | 8: | | |
| | | | | | | | | 2 | \$ | | |







| Sub-Total | 5 | \$2.5 | 10,137.54 | : | 10,137.54 | 2,093 | 8,044 \$ | | 359,337,40 | 107,835,155.00 |
|-------------|-----|--------|-----------|---|--------------|----------|-----------|-------------|--------------|------------------------|
| Grand Total | 367 | 77.447 | 39,199.88 | | 39,199.88 | 6,525.05 | 32,674.83 | | 1,713,260.12 | \$26,809,971.00 |
| | | | | | | | | | | |
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Republic of the Philippine Office of the Provincial Agriculturist Province of Tarlac

Terminal Report on Damages Caused By Typhoon "Cadiang"

For Vegetables

| Municipality | No. of Brgy, Affected | Area (Has.) | No. of Farmers | Kind | Amount of Damaged | Remark |
|--------------|--------------------------|----------------|-------------------|--------------|----------------------|------------------|
| Pura | 14 | 10.00 | 40 | Assorted | P 25,000.00 | Totally |
| Victoria | 10 | 8.00 | 25 | -do- | 80,000 | -do- |
| Camiling | 34 | 200.00 | 410 | -do- | 1,440,000.00 | -do- |
| San Manuel | 2 | 3.68 | 16 | -do- | 107,500 | -do- due wilting |
| Sta. Ignacia | 14 | 200.00 | 396 | -do- | 1,440,000 | -do- |
| Capas | 4 | 20.00 | 45 | -do- | 120,000.00 | -do- |
| Concepcion | 19 | 50.00 | 120 | -do- | 400,000 | -do- |
| San Jose | 1 | 1.00 | 1 | Turnips | 25,000.00 | -do- |
| Total | 98 | 492.68 | 1,053 | { | P 3,637,500.00 | |
| | | | | | · | |
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Republic of the Philippine Office of the Provincial Agriculturist Province of Tarlac

Terminal Report on Damages Caused By Typhoon "Cadiang" on Livestocks As of October 12, 1993 12:00 Noon

| Municipality | No. of Barangays | Kind | No. of Head | Caused | Value in (P) |
|--------------|---------------------|-------------|-------------|---------------------|--------------|
| Pura | 1 | Calf/Cattle | 3 | Grower | P 15,000.00 |
| | | Cattle | 4 | -do- | 28,000.00 |
| Mondaca | 2 | Swine | 5 | Swept away by flood | 17,500.00 |
| | | Goat | 1 | -do- | 1,000.00 |
| Camiling | 3 | Swine | 2 | -do- | 10,000.00 |
| | | Broller | 100 | -do- | 6,500.00 |
| | | Cattle | 1 | -do- | 15,000.00 |
| Capas | 8 | Cattle | 1 | -do- | 9,000.00 |
| | | Swine | 7 | -do- | 24,500.00 |
| | } | Goat | 13 | -do- | 13,200.00 |
| | | Chicken | 500 | -do- | 32,500.00 |
| | | Ducks | 8,900 | -do- | 1,068,000.00 |
| Concepcion | 3 | Cattle | 2 | -do- | 30,000.00 |
| | | Swine | 2 . | -do- | 10,000.00 |
| Mayantoc | 4 | Cattle | 2 | -do- | 30,000.00 |
| i. | ÷ | Carabao | 3 | -do- | 66,000.00 |
| | | Goat | 3 | -do- | 4,500.00 |
| Total | 21 | | 9,549 | | 1,380,700.00 |
| | | | | | |
| | | | | | |
| | | | | | |

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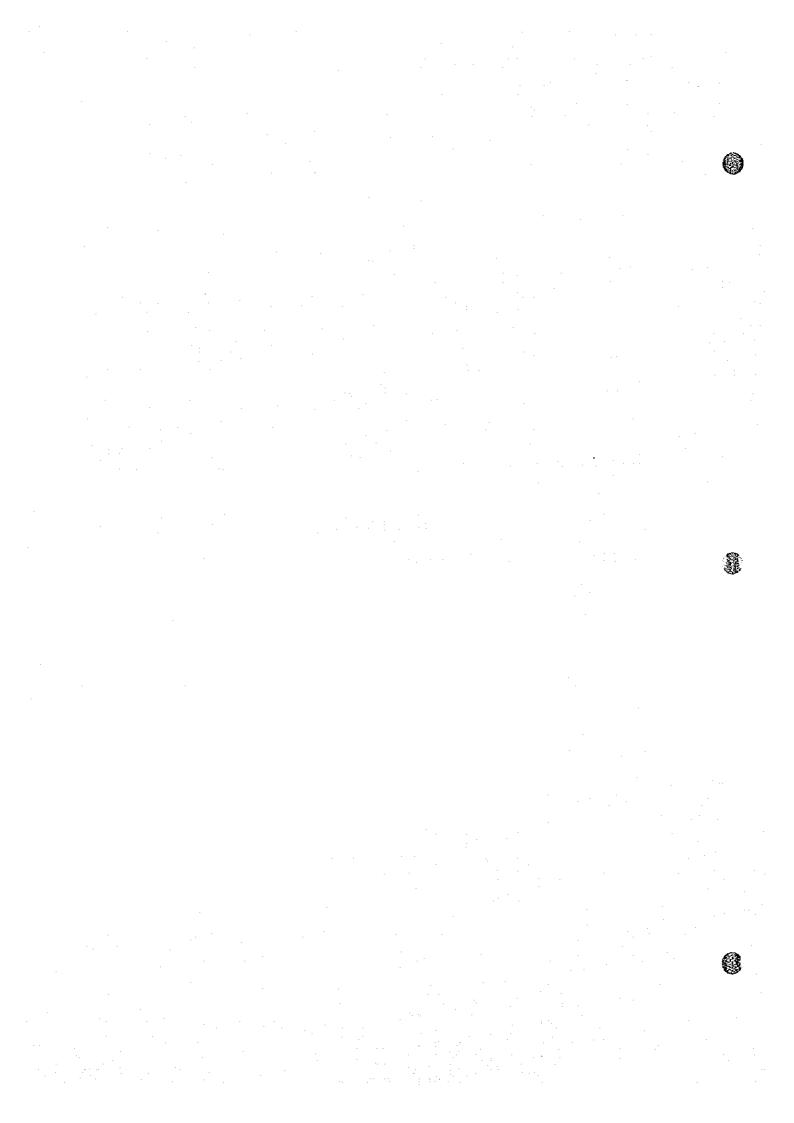
Republic of the Philippine Office of the Provincial Agriculturist Province of Tarlac

Terminal Damages Report on Fisheries As of October 12, 1993 12:00 Noon

| Municipality | Area of | No. of Fishpond | Value of Da | amage |
|--------------|----------|-----------------|-------------|------------|
| | Fishpond | Optr. Affected | Stock | Facilities |
| | | | | |
| ura | 20 | 35 | P 160,000 | |
| /ictoria | 9.5 | 4 | 227,500 | 8,000.00 |
| ita; Ignacia | 50 | 240 | 2,680,000 | • |
| \nao | .1 | 2 | 850 | |
| Bamban | 3.5 | 5 | 13,250 | : |
| Camiling | 71 | 3 | 1,575,000 | |
| Capas | 2 | 4 | 10,000 | , . |
| Concepcion | 8.5 | 5 | 46,250 | |
| Gerona | 10 | 4 | 10,000 | |
| .a Paz | 16.5 | 10 | 80,250 | 14,000.0 |
| Mayantoo | 60 | 70 | 1,020,000 | |
| Aoncada | 9.5 | 4 | 45,250 | |
| Paniqui | 37.0 | 8 | 2,100,000 | |
| Ramos | 1.5 | 5 | 1,030,000 | |
| San Clemente | 2.0 | 4 | 10,000 | |
| San Jose | 1.0 | 3 | 5,000 | |
| San Manuel | .5 | 4 | 2,500 | |
| Farlac | 6.4 | 6 | 30,200 | 3,000.0 |
| Fotal | 309 | 416 | P 9,046,050 | 25,000.0 |

PART II

AGRICULTURAL PRODUCTION DATA



CROP: RICE

80-85 cav/ha.

P 350/can (50 kg.)

PERIOD: May to October 1994

| Province | May | June | July | August | September | October | Total |
|----------------|-------|--------|---------|---------|-----------|---------|---------|
| I. Bataan | 1,051 | 3,246 | 5,678 | 3,546 | 1,364 | 371 | 15,256 |
| 2. Bulacan | 828 | 4,601 | 16,942 | 14,624 | 5,424 | | 42,419 |
| 3. Nueva Ecija | 97 | 3,096 | 70,246 | 78,529 | 9,621 | 342 | 161,931 |
| 4. Pampanga | 1,621 | 8,720 | 22,209 | 12,987 | 3,742 | 4,601 | 53,880 |
| 5. Tarlac | 3,256 | 11,808 | 16,082 | 7,062 | 3,280 | 2,057 | |
| 6. Zambales | 444 | 1,849 | 3,465 | 1,016 | 490 | .4 | 7,268 |
| Total | 7,297 | 33,320 | 134,622 | 117,764 | 23,921 | 7,375 | 324,299 |

GPEP PLANTING TARGET BY PROVINCE BY MONTH

CROP: RICE

90-95 cav/ha.

PERIOD: November 1994 to April 1995

| Province | November | December | January | February | March | April | Total |
|--------------------|----------|----------|---------|----------|------------|-------|---------|
| 1. Dataan | 1,468 | 3,583 | 5,991 | 3,691 | 1,414 | 370 | 16,517 |
| Bataan Bulacan | 4,906 | | 15,592 | 6,719 | 110 | | 39,914 |
| 3. Nueva Ecija | 10,593 | | 46,082 | 42,715 | 9,442 | 1,079 | 138,648 |
| 4. Pampanga | 20,704 | 1 | 9,025 | 1,364 | 401 | 108 | |
| 5. Tarlac | 13,820 | | 6,455 | 2,519 | 7 9 | | 33,028 |
| 6. Zambales | 2,006 | 3,451 | 1,329 | 110 | 3 | | 6,899 |
| Total | 53,497 | 80,526 | 84,474 | 57,118 | 11,449 | 1,557 | 288,621 |

GPEP PLANTING TARGET BY PROVINCE BY MONTH

CROP: YELLOW CORN

84 cav/ha.

P5kg

PERIOD: October 1994 to March 1995

| Province | October | November | Docember | January | February | March | Total |
|---------------------|---------|----------|----------|---------|----------|-------|--------|
| 1 Domana | 171 | 1,045 | 1,388 | 760 | 136 | | 3,500 |
| Pampanga Tarlac | 4,096 | | | 1,050 | | | 12,405 |
| Total | 4,267 | | 4,555 | 1,810 | 136 | 0 | 15,905 |

FISHERY DATA PROVINCE OF TARLAC

| Municipality | No. of | Total Land | Fishpond | Production | No. of Fishpond | Communal Water | Number of |
|------------------|----------|-------------|-------------|------------|-----------------|----------------|----------------|
| | Brgy. | Area (Has.) | Area (Has.) | (M.T.) | Operators | Area (Has.) | Communal Water |
| 1. Anao | 18 | 2,390 | 1.48 | 1.184 | 07 | 32 | 8 |
| 2. Isamban | 15 | 13.310 | 08.9 | 5.52 | 50 | 147 | |
| 3. Camiling | 19 | 14,050 | 11.60 | 9.28 | 171 | 105.2 | |
| 4. Capas | 61 | 000,11 | 15.35 | 12.28 | 49 | 100 | |
| 5. Concepcion | 7 | 24.570 | 24.36 | 19.48 | 20 | C8 | |
| 6. Gerona | 7 | 14,140 | 31.10 | 24.88 | 356 | 75 | |
| 7. Lapaz | 77 | 11,450 | 46.19 | 36.95 | 239 | 200 | |
| 8. Mayantoc | 7.5 | 35,460 | 121.05 | 38.86 | 292 | 451 | |
| 9. Moncada | 37 | 8.570 | 16.61 | 13.28 | 3 | 38.3 | |
| 10. Paniqui | 38 | 10,520 | 142 12 | 113.69 | 356 | 103 | |
| 11. Pura | 91 | 3,100 | 5.78 | 4.62 | 192 | 74 | |
| 12. Ramos | 6 | 2,440 | 6.76 | 5.40 | 152 | 8 | |
| 13. San Clemente | 12 | 4.860 | 12.30 | 9.84 | 13 | 70 | |
| 14. San Jose | <u> </u> | 57,481 | 19.25 | 15.40 | 88 | 27 | |
| 15. San Manuel | <u>~</u> | 4,210 | 7.52 | 10'9 | 21 | 6 | |
| 16. Sta. Ignacia | <u>ਲ</u> | 1,540 | 17.43 | 13.94 | \$9 | 8 | |
| 17. Tarlac | 7.5 | 36,119 | 132.78 | 106.22 | 413 | 403 | |
| 18. Victoria | 26 | 11,150 | 71.48 | 57.18 | 292 | 314 | |
| Total | 808 | 305,360 | 90:069 | 551.994 | 2,858 | 2,334.50 | \$9 |

Production (M.T.)
Tilapia (Mudfish), (Catfish)
1 ha = 10,000 fingerling
1 fingerling = P 0.45
= 4,500 P /ha.

Communal Irrigation System Data (1/22)

| | | Service A | rea (Ha.) | Actual Irrig | able Are |
|----------------------------------|----------------------------|-----------|-----------|--------------|----------|
| Name of CIS | Location | Design | Present | Wet | Dry |
| Communal Irrigation Systems | | | | | |
| 1st District | 1 | Į. | | | |
| 1. Banquili CIS | Magalang | 66 | 13 | 13 | |
| 2. Camias CIS | Magalang | 58 | 48 | 48 | 2 |
| 3. San Agustin CIS | Magalang | 169 | 65 | 65 | 5 |
| 4. San Vicente CIS | Magalang | 350 | 275 | 275 | |
| 5. Sat. Cruz CIS | Magalang | 335 | 335 | 50 | |
| 6. La Paz CIS | Magalang | 250 | 250 | 153 | • |
| 7. San Pedro CIS | Magalang | 229 | 229 | 63 | |
| 8. Balen San Roque CIS | Magalang | 450 | 450 | | |
| • | Angeles City | 128 | 30 | , | |
| 9. Cutup CIS | Angeles City | 50 | - 50 | ł I | |
| 10. Pulong Cacutud CIS | Angeles City | 70 | 70 | 1 | |
| 11. Tabon CIS | Mabalacat | 207 | 110 | 1 1 | |
| 12. L. SApang Biabas CIS | Mabalacat | 237 | 113 | 1 | |
| 13. Sta. Maria CIS | ₹ | 206 | 206 | i ! | |
| 14. Dau CIS | Mabalacat | 100 | 140 | 1 1 | |
| 15. Sapang Balen CIS | Mabalacat | 460 | 460 | 1 1 | |
| 16. Masup CIP | Mabalacat | • | 143 | 1 1 | |
| 17. Mabalacat CIS | Mabalacat | 143 | 279 | 1 | · · · |
| 18. Camachile CIS | Mabalacat | 279 | 279 | 1 1 | |
| 19. Mabiga CIS | Mabalacat | 279 | : | 1 1 | |
| 20. Quitangil CIS | Mabalacat | 114 | 114 | 1.0 | • |
| 21. Uper Camachile CIS | Mabalacat | 30 | ł | 1 1 | |
| 22. Mawaque CIS | Mabalacat | 102 | 8 | 83 | · |
| 2nd District | | | · | | |
| 23. Villamaria CIS | Porac | 54 | 5 | 1 | |
| 24. Porac CIS | Porac | 165 | 16 | 5 | İ |
| 25. Manibaug CIS | Porac | 175 | 17 | 5 175 | |
| 26. Lico CIS | | 90 | į. | D - | 1 |
| 27. Senora CIS | Porac | 120 | | 3 113 |] ` |
| 28. Dampol CIS | Sta. Rita | 110 | 3 | 7 28 | |
| - | Sta. Rita | 120 | | 3 - | , |
| 29. Macapagal CIS 30. Lusung CIS | Sta. Rita | 105 | | 5 105 | |
| - · | Sta. Rita | 228 | i . | | 100 |
| 31. Magsaysay CIS | Sta. Rita | 93 | | l . | 1 |
| 32. Paliguo Libutad CIS | Sta. Rita | 85 | | 4 34 | 1 |
| 33. Dila-Dila CIP | Sta. Rita | 52 | i . | 2 48 | i |
| 34. Panganan CIS | Sta. Rita | 45 | | 5 - | |
| 35. Laxamana CIS | Sia. Riia Floridablanca | 211 | 3 | 4 | |
| 36. Tugtugan CIP | | 105 | | 4 . | .[|
| 37. Sapang Godio CIS | Floridablanca | 800 | | | . |
| 38. Sapang Matua CIP | Lubao | 238 | · · | | , |
| 38. Natividad CIS | Guagua Guagua | 66 | 1 | 6 66 | |

Communal Irrigation System Data (2/22)

| | | Service A | rea (Ha.) | Actual Irrig | able Area |
|---------------------------|--------------|------------|-----------|--------------|-----------|
| Name of CIS | Location | Design | Present | | |
| | | | | Wet | Dry |
| 2.1 District | | | | | |
| 3rd District | Desales | 228 | 112 | 30 | 20 |
| 41. Bacolor CIS | Bacolor | 84 | 60 | 30 | 20 |
| 42. Macabali CIS | Bacolor | | 162 | .] | -] |
| 43. L. Sta. Barbara CIS | Bacolor | 162 150 | 150 | | 20 |
| 44. Cabalantian CIS | Bacolor | i - 1 | 55 | 1 3 | 20 |
| 45. Cabetican CIS | Bacolor | -55 26 | | l ! | |
| 46. Parulog CIS | Bacolor | 36 | 36 55 | | 50 |
| 47. Calulut CIS | San Fernando | 121 | | l | . 30 |
| 48. Telabastagan CIS | San Fernando | 125 | 24 | \$ 6 | 36 |
| 49. Calulut CIP II | San Fernando | 64 | 36 | . , | 30 |
| 50. Santiago CIS | Sta Ana | 233 | 173 | | [|
| 51. San Agustin CIS | Sta Ana | 186 | 78 | | 3 |
| 52. San Roque CIS | Sta Ana | 435 | 99 | } | 10 5 |
| 53. San Pablo CIS | Sta Ana | 230 | 54 | 1 | ျ |
| 54. San Bartolome CIP | Sta Ana | 300 | 300 | | 100 |
| 55. San Isidro CIS | Sta Ana | 160 | 160 | | 100 |
| 56, Lacmit CIS | Arayat | 261 | 138 | 1 | |
| 57. Bitas Libutad CIS | Arayat | 265 | 265 | | 4 |
| 58. Gatiawin CIS | Arayat | 138 | 62 | | |
| 59. Buenavista CIS | Arayat | 320 | 30 | 1 | - |
| 60. Inumang Baca CIS | Arayat | 306 | 132 | 1 | - |
| 61. La Paz Turo CIS | Arayat | 567 | 800 | 1 | |
| 62. Panlinlang CIS | Arayat | 216 | | | 10 |
| 63. San Roque Bitas CIS | Arayat | 417 | 126 | | 4 |
| 64. San Juan Bano CIS | Arayat | 365 | | 1 | 199 |
| 65. Candating CIP | Arayat | 429 | | | 349 |
| 66. Bano CIP | Arayat | 300 | | | 50 |
| 67. Pandacaqui CIS | Mexico | 280 | | 1 | 20 |
| 68. San Antonio CIS | Mexico | 68 | i . | | - |
| 69. Bungang Guinto CIS | Mexico | 325 | | | • |
| 70. San Jose Malino CIS | Mexico | 132 | | 1 | 50 |
| 71. Divisoria ClP | Mexico | 72 | | ı | 72 |
| 72. Mexico CIS | Mexico | 157 | | 1 | · - |
| 73. Abacan CIS | Mexico | 90 | | | • |
| 74. Anao CIS | Mexico | 120 | 1 | | . • |
| 75. Nueva Victoria | Mexico | 100 | 1 . | | - |
| 76. Beus LPN CIS | Mexico | 431 | 10. | 3] | - |
| | | : | | | : |
| 4th District | | | | | |
| 77. Sto. Rosario Pajo CIS | Sto. Tomas | 60 | , | | 1 . |
| 78. Barangoa CIS | Candaba | 285 | 1 | | - |
| 79. Salapungan CIS | Candaba | 688 | 1 | 1 | I . |
| 80. Virgen CIP | Candaba | 1,078 | | 1 | 100 |
| 81. Nigui CIS | Masantol | 234 | 23 | 4] . | L |







Communal Irrigation System Data (3/22)

| The state of the s | | Service A | tea (Ha.) | Actual Irriga | able Area |
|--|----------------------|------------|--------------------------|---------------|-----------|
| Name of CIS | Location | Design | Present | | |
| Name of Cit | 2300 | | | Wet | Dry |
| 00.001.010 | Masantol | 241 | 241 | | _ |
| DE. Dugiada Cic | Masantol | 213 | 213 | _ | _ |
| 83. Malauli CIS | Macabebe | 194 | 194 | 1 | 150 |
| 84. San Gabriel CSI | Macabebe | 112 | 112 | i I | |
| 85. Batasan CIS | Macabebe Macabebe | 180 | 180 | 1 1 | : _ |
| 86. Telacsan CSI | Macabebe Macabebe | 208 | 208 | | |
| 87. San Juan CSI | Macabebe | 238 | 238 | 1 | - |
| 88, San Rafael CIS | Macabebe Macabebe | 206 | 206 | 1 | _ |
| 65, Dapa Excuses 515 | | 200 289 | 289 | ł I | |
| 90. San Jose CIS | Macabebe | 171 | 171 | | |
| 91. Tacasan CIS | Macabebe | 376 | 376 | 1 . 1 | |
| 92. Saplad David CIS | Macabebe | 271 | 271 | | |
| 93. Sta. Maria CIS | Macabebe | | 285 | 1 | _ |
| 94. Castule CIS | Macabebe | 285 | | 1 1 |] |
| 95. San Roque CIS | Macabebe | 134 | 134 | |] |
| 96. Maniago CIS | Minalin | 241 | 241 | 1 1 | - |
| 97. Sto. Domingo CIS | Minalin | 173 | 173 | | - |
| 98. San Isidro CIS | Minalin | 154 | | 1 ' 1 | |
| 99. Dawe CIS | Minalin | 199 | 199 | 1 | |
| II. Pump Irrigation Systems | | | | 1 . } | |
| 1. San Miguel PIS | San Simon | 200 | 200 | 200 | 140 |
| 2. Sta. Cruz PIS | San Simon | 126 | 120 | 126 | 126 |
| 3. Tagumpay PIS | San Simon | 236 | 230 | 186 | 236 |
| 4. Bagong Silang PIS | San Simon | 160 | 160 | 50 | 160 |
| 5. Sta. Monica PIS | San Simon | 220 | 220 | 220 | 100 |
| 6. Sta. Rita (RIAP) PIS | San Simon | 130 | 130 | 100 | 130 |
| 7. Sta. Cruz Pambilog PIS | San Luis | 315 | 31: | 5 100 | 315 |
| 8. San Schastian PIS | San Luis | 549 | 1 | 9 30 | 306 |
| 1 . | San Luis | 160 | 1 . | 50 | 160 |
| 9. Matique PIS | San Luis | 314 | The second second second | 4 70 | . 314 |
| 10. PISA (Sta. Rita) PIS | San Luis | 180 | 1 | 1 | 180 |
| 11. Katubusan PIS | Arayat | 90 | h . | i | - |
| 12. CAbeza PIS | Arayat | 202 | 1 | | 202 |
| 13. Sta. Cruz Candating PIS | Candaba | 219 | 1 | 1 | 219 |
| 14. Sto. Rosario PIS | Candaba | 163 | | | 163 |
| 15. Pansinao PIS | Candaba | 320 | 1 | | 311 |
| 16. Gulap PIS | Candaba | 312 | 3 | - | 198 |
| 17. Lanang Pasig PIS | Candaba | 80 | 1 | 0 20 | 80 |
| 18. Villongoo PIS | Candaba | 1200 | 1 | | |
| 19. Mapanique PIS | | 180 | 1 | | 180 |
| 20. Mandasig PIS | Candaba | 130 | · . | 1 | } |
| 21. SAn Nicolas PIS | Arayat | 140 | | | 30 |
| 22. Sto. Cristo PIS | Arayat | 120 | 1 | 8 |] |
| 23. San Antonio PIS | Mexico | 76 | 1 | - | |
| 24. San Lorenzo PIS | Mexico | 27,14 | | | 6,356 |
| Total | | 21,14 | رم اد | 7,710 | |



STATUS OF COMMUNAL IRRIGATION SYSTEMS AS OF December 31,1992

| | Symposis | 3 | imgated This Year | d Water | Average | e m | Date | Date | Project Cost | · · · · | | Amortization | - | Status of | · |
|--|----------------|-------------|----------------------|--|------------------|------------|---|----------|---------------|-------------------------|------------------------|--------------|---------------|----------------|---------------------------------|
| a) Municipality | | V Ca | | | | | a) Started | 1 | - | | | Collection | | IA (Active or | Remarks |
| b) Barangay served c) Name of Association | : | <u> ਭ</u> ੈ | | <u>. </u> | | <u> </u> | b) Complete | Tumover | Total Cost | Chargeable // | Yearly Amortization | This CY-92 | To Date | inactive etc.) | |
| | | | لام | Q, | Wet | Á | | 1 | | | | | | | |
| Amonization | | | 5 | 2 | - | <u></u> | 25 W. (C | 12.27.91 | 144.355.44 | 319,180,95 | 00'005'61 | , | 1,200.00 | Inactive | System was rehab. Rehab, com |
| BeckerCIS | 1 articipatory | ; | ? | Part Co | | <u> </u> | b) 09-07-83 | <u> </u> | | | - | | | | was added to prev. Knam Rehab |
| A San Antonio San Sades | | | . | · . | • | | | | | | • | | | | under 10% but not yet comp. |
| c. San Antonio Bacolor IA | | | | | - | | | | | | | | | | Other areas were cov. by Jahran |
| Lacmit CIS | Participatory | 138 | £. | - Lacmit | Ę | Ę | a) 03-15-90 | 8,25.80 | 615,489,69 | 15.15 15.15 15.15 | 51,750.00 | 00.4 | 3 | - Voline | י איני האיני האיני האיני |
| a, Amyat | | | | | -: - | <u>ê</u> _ | 88188 | | | | | | | _ | |
| 5. Leonit | | | | | _ | | | | | • | | | | | |
| c. Lacmit Planters IA | | - 5 | • | New Parks | | - (| 28-70-20 | 12-31-83 | 189,577.03 | 147,728.27 | 5,737.50 | • | • | Inactive | Non-sperational, Totally |
| 3. Macabali C.S. | rancipanay | 3 | • | | ! | <u> </u> | b) 11-08-82 | | | , | | | | | covered by Johan |
| a. Daconor | | | | · | | • | | | | | | | | | |
| D. Otherstein | | | | — | | <u> </u> | | | | | | - | • | | |
| C. Charles L.A. | Participatory | E2 | æ | R. Ovitangil R. | 9 | 8 | 50 a) 09-15-58 | 01-20-89 | 165,587.18 | 118,795.43 | 13,781,25 | 2,965.00 | 35,84.50 | Active | Cyerational |
| o Mahalacat | <u>`</u> | | | · | | <u>â</u> | b) 11-15-88 | | | | | | | _ | |
| b. Mawaque | | | : | · | | | | _ | | | | | | | |
| c, Mawaque IA | | | | | | | | 1 | 4 | */ **/ /0 | | Trans risk | 100 EC 4 3 | 97.0 | Non-cond. Dunne wet scatter |
| Sentiago CIS | Participatory | Ē | • | Inument. | - | <u> </u> | 10 to | 2-16-21 | 70002'667 | +0.000 oc. | 1 | | | | area in submerged. Insufficient |
| a. Sta. Ana | | | | Taca . | | <u>ā</u> | 9 10 12 13 | | | | | | | | water supply during |
| b, Santiago | | | | Y C | | : | | | | | | | | | dry neason |
| c. Santiago [A | | | | | | | | * | 36 117 03 | 17 10000 | 3.044.00 | | 1,000,00 | Inactive | Non-speciational |
| Sto. Romario Pajo CIS | Participatory | \$ | ÷- | Manuel | | <u> </u> | 40 A 1 A 1 A | 2 | 6 | | | | | | Area is affected by |
| a, Sto Tomes | | | | Xiver | | 6 | 54:-11 G | | | | | _ | | | asiine water |
| b. Sto. Rosanio Pajo | : | | | | | | 3 1 | | | : | | | | | |
| c. Sto. Rovario Pajo I.A. | | . 1 | | ; | • | - 7 | | 19.16. | \$12 500 00 | 178 000 05 | 10,000,00 | , | 5,750.00 | Inactive | Parily oper", area affected by |
| 7. Benquili CIS | Participatory | 5 | 5 | | 2 | <u>.</u> | 10 10 0 | | | | | | | | drought, No sufficient 1120) |
| n. Magalang | | | | ¥ } | | s` | , co () | | | | | _ | _ | | supply. Farmers converted to |
| b. San Jose, San Francisco | | | | · | | | | | | | | | _ | | RUBERCANE |
| c. Bengali is | | | 1 | . | - ; | 5 | 5 | 8 | 174 045 19 | 20.705.211 | 21,000,00 | 19,829,15 | 85 950.80 | Active | Operational, Amon, Ionn of |
| R. Britas Liberard CIS | Participatory | Š | Z | Marin Merit | 3 | 3 | 1000 | | - | 1 | | | | | 30% equity on CIS |
| a. Arayat | | | | Wasok Cry | | | 104140 | | | | | | | | under O & M |
| 5. Sen Roque Bitan | | | | · - | | | | | | | | | | | |
| c, Bitas Libotad IA | | | | | - | | | | 24 C 11 3 16 | 740 212 005 | 28.125.00 | 397500 | 4,340,00 | Active | Non-Operfl. Div. dam/canala |
| 9. Lavamana CTS | Participatory | ŶŢ. | • | 45 Napang | | ų į | (a) (a) (a) (a) | 16-77-71 | 7 | - | | | | | network service area were |
| a. Sta. Rita | | | | Matter | | <u>-</u> |) C | | | | | | | | testally covered by labor |
| b. San Isidro | | 1 / | <u> </u> | - | | | | į | | | | _ | - | | |





| S. C. C. C. C. C. C. C. C. C. C. C. C. C. | S. Carrier | 2 | Imigated This Year | <u> </u> | Water | Average | Date | Date | Project Cost | | | Amortization | | Status of | |
|--|---------------|----------|-----------------------|-----------------|--------------|--------------|--------------------|-----------|---------------|-----------------|--------------|--------------|------------|----------------|---------------------------------|
| A Municipality | | | _ | | } | (cav/ha) | a) Started | | - | | 1 | Collection | | IA (Active or | Remarks |
| b) Barangay served | | <u> </u> | } | | L_ | - | Γ | Turnover | Total | Direct | Yearly | | | Inactive etc.) | |
| e) Name of Association | | | | | | | b) Complete | <u> </u> | Cost | Chargeabic // | Amortization | (C) (C) (C) | 7.0.03 | | |
| | | | Wet | Š | <u></u> | Wet | | . ! | | 3 | | | | | |
| 10. Pandacaqui CIS | Participatory | 8 | £ | 20 Napang | | 5 | 60 a) 11-15-87 | 12.27.88 | 1,111,746,12 | 50171.05 | 29,400.00 | 18,133.50 | 98,136.15 | Adive | ניאטפנטוריאשי |
| a, Mexico | | | | Maisa | | | b) 05-20-88 | | | • | | | | | |
| b. Hacienda Pandacaqui | | | | | | | : ' | | | | | | | | |
| C. Pendecagai LA | Participatory | I | | Sapan | bi | | . a) 01-07-81 | 09.29.88 | 125,089,21 | 112,953.95 | 12,600,00 | • | 38,041.00 | Inactive | Non-oper1. Area covered by |
| a. Florida Manca | • | | | Godio | | | 5) 05-15-81 | | | | | | | | nehtail/10 has smigate but |
| b. Patendag | : | | | | | • ; | - | | | | | | | | Interestinate |
| c. Lewing Alimpuaran Timber ISA | | | | · · | | | · | | - | i | 4 | - CO (8) | 2000 | e acido | Non-werl/Div damoneerd |
| 12. Dampol CIS | Participatory | 3 | 6 | 3.5 Lahutad & | শ্ব | Χ. | 55 a) 12-15-87 | 01.31.89 | 471.920.10 | 379 /10.00 | moc/ei | 00:007 | T. (1) | 2000 | The labor. |
| B. Sta. Rita | | | | Caga Creek | , see | - | 12 (2 SE | | | | | | • | | <u>.</u> |
| b, Sta. Monica, Sn. Matina | | | | ··· | - | · · | | | | • | | , | | | |
| c. Dampol tA | | | | - 1 | | | | 8 | 200 | 100001 | 20,800 | | \$7.476.25 | Inactive | Non-copert, The whole system |
| 13. L. Sta. Barbara CIS | Participatory | <u>8</u> | -,- | Supeng | b£. | | 78-61-71 (# | ξ 3 | 07700000 | 10.001 | 2000 | | | | and impable area were covered |
| a. Bacolor | | | | N. M. | | _ | 90 × 1 × 10 | | - | - | | | | | try lahar |
| b. Ste. Berhera | | | | | | | | | | | | | - | | |
| c, L. Sta. Barbern IA | | | , | | | | 7 | 5 | 12 626 000 | MC 000 000 | 20.625.00 | 16.800.80 | 81,059,50 | Active | Partially non-oper? |
| 14. L. Sapang Biabas CIS | Participatory | <u> </u> | 8, | 40 Outlangel R | اعة الح | 5 | 50 FT 60 CT | 6-15-65 | 17-7000/con/1 | 01.070 | | | | ! | Camaged main canal |
| a. Matulacat | | | | | | | 6 14 Y | | | | | | | | |
| b. S. Bieben, Bical, Sta. Lucia | | | | _ | | | · . | : | | | | • | | | |
| c. L. Sapang Biabas & Sta. Lucia IA | | . (| | | | | 8 | 8 | 26 640 11 | 23,000,00 | 16.275.00 | 18 50%, 8% | 40.671.21 | Active | Operational, No available 112 |
| 15. Gatiawin CIS | Participatory | ઇ | ક | 330KM | Hukandang | 8 | 100 1 - 10 M | | | 1 | | | | | during day season. System fully |
| a. Arayat. | | | | <u>ב</u> | | - :- | | | | | - | _ | | | paid (under 30% equity on O& |
| b, Catiawin | | | | | | | ; | · · | | | | | | | Ŷ |
| C. Cratiawan IA | : | • | - | - 5 | | S | 200.00 | 851 | 2051583 | 787 514 55 | 31.85000 | | 24,702,92 | Active | Div. dam, lined MC |
| 16. Macapagal CIS | Participatory | 3 | - | Demor : Or | . | 2 | 6041406 6041406 | | | | | | | | toxally covered by laber. |
| P. Sta. Kits | | | | , TR | | | | | | | | | | | in British |
| b, San Isadro | | | | | | | | | | | | | | | |
| Commence of the Commence of th | Participation | × | ž | Darg. | Darahulbul & | 8 | 0841488 | 12-29-89 | 715,049.18 | 573,678.04 | 35,100.00 | ••• | \$114.00 | Active | Opera. Affected by lahar for |
| a Sta Ann | | | | Porac | Porac Creek | | b) 10-15-89 | | | | | | | | restoration. No water available |
| h See Assertin | | | | | | | | | | | | | | | duning dry seawar |
| c. Upper San Agustin IA | | | | | | : | | | | ! | | | 4, 500 | 4 | () |
| IR Camius CIS | Participatory | 8 | £ | NO Paranom | Eg | 8 | 65/3) 04-15-89 | 12.22-89 | 505,696.00 | 431,43%97 | 20,000,12 | 0000077 | 20,000,00 | Avare | |
| a. Nagalang | | | | CRE | | | 8) OF 27-89 | | | | | | | | |
| b, Carrains, Burmocino | | | | | <u></u> | | | | | | | | | | |
| c. Cemaias IA | | | | - | | - | | | | dr. 2006 Ed. 15 | 7 | | _ | Avrive | Cheerational |
| 19, Natividad CIS | Participatory | 3 | <u>4</u> | 140 Silab Creck | | 2 | | 0.5-12-37 | | 1001 1001 1001 | | | | | · |
| a. Guagua | | - | | | | | 70-C1-CD 60 | | | | - | | | | |
| b. Natividad | · | | | | | | | | | | | | | | |
| | | 2 | | - 9 | 4 00 | - | 0.15.00 | 06-23-30 | 348.878.5S | 258,966.62 | 25,500,00 | 687.00 | 18,127,75 | Active | Party egerl, dem is heavily |
| 20. San Antonio CIS | Lame parent | 8 | • | 2.5 | S. American | • | 86.40 | | | | | | | | silted with Jahar |
| P. Nervice | | | | | ! | | | | | | _ | | | | |
| o. Transfer San Antonio 1A | | | | | | | | | | | | | | | |
| 6) 4 CO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | ١ | | | | | | | | | | | | |





| Name of System | Category Se | Service | This Year | Source | Yield | | Dage Dage | ٠ | | | Amortization | | Status of | • |
|--|---------------|--------------|-----------|---------------|----------|--|--------------|-------------|--------------------------|-----------------|-----------------|------------------|----------------|--|
| a) Municipality | | Area . | | | (cav/he) | a) Started | | | | | Collection | | IA (Active of | Remarks |
| b) Barangay served | | Eg. | - | | | | Tumover | Total | Direct | Yearly | | | Inactive etc.) | |
| c) Name of Association | | | | - | | b) Complete | | ŏ | Chargeable // | Amontization | This CY-92 | To Date | | |
| | | | Wet Dry | | Wet Dry | | | | | | | | | |
| 21. Bungaring Quinto CIS | Participatory | 162 | - | . Hetie River | , | · a) 04-15-90 | 12.06.90 | 717,085,844 | 579,381,7% | 90,750,00 | , - | • | Inactive | Non-operl, dam is not utilized |
| a. Mexico | | | | | | 6) 07-13-90 | | | • | | | • | _ | Incause water (Kowing is with |
| b. San Lovenzo, San Antonio | | | | | - | | | | | | | | | The state of the s |
| c. Nan Lovengo-Nan Antonio IA | Participatory | - V O | - ¥0 | SolCasu Creek | Ę | 90 8) 03-15-90 | 12.27.80 | 546,455,60 | S46,455,60 No obligation | <u></u> - | _ -: | | Active | Орегатіоны |
| 1 Company (12) | | - | | | | h 09-21-90 | | _ # | to settle under | | | | | |
| A. Sterness San Matter | | | | | | | | <u>-63</u> | 30% EGP | | | | | |
| c. Becuran, San Matias IA | | 17. | | | | . : | | | ****** | - | | | | |
| 23, San Aguntin CTS | NIA-FSDC | Ş | 8 | Solitere | ٤ | 55 6) 03-15-78 | 08-30-79 | No. data | 168,238,32 | 7,009,91 | 11,665,00 | 65,017,45 | Active | Operational |
| a. Magalang | | | | Creek | | b) 02:15-79 | | | | | - | | | |
| b, Sen Aguetin | | | | | | | ` | | | | | | | |
| c, San Agustin 1A | | | | | | | | | | | | | • | |
| 24. Buenavista CIS | ş | 2 | 9 | - Spenavista | ş | . a) 01-15-RI | 24.15.82 | 18,718,33 | 54.801.22 | 11,250,00 | 11,762.30 | 27.00 | 701ve | Non-opert, Dam beavily silked |
| a. Armyat | | | | J. Luck | | 18-70-01 (4 | | | | | | | | crops surfamed through ind. |
| b. Taliundoc | | | | · | | | | | | | | | | pump & no HZO available |
| c. Buenavista IA | | | | | | | | | | | | : | , | during dry season. |
| 25. Cutoid CIS | ş | ę, | - | 10 Sapang Bau | ۶ | 60 as 03-09-80 | 04-30-81 | 147,121.82 | 138,700,39 | 4,079,42 | 2,121.00 | 44.165.74 | Active | Cyrentional |
| Angeles City | | | | | • | b) 11-15-80 | | | | | | | | Div. dam pertially damaged |
| b. Omud Tangle | | | | | | | | | | | | | | |
| c. Cutud ISA | | | | : | | | i ; | | | | | 4 | | 74 by 20 100 100 100 |
| 26. San Roque CTS | \$ | 8 | <u>-</u> | 10 Narangca | 3 | 08-10-10-10-10-10-10-10-10-10-10-10-10-10- | 01-31-31 | 00.661,612 | 10.180,012 | CZ(/,'DI | 20.20 | 2014 | 1 | Account of Contract Part Colors |
| A. Sta. Ana | | | | Creek | | b) 11-30-80 | | | | | | - n - | | Experience and the property of the second se |
| b. San Roque | | | | | | - | | | | | | | | I CALLESTON |
| c, San Roque ISA | | - | | | | | | | ļ | | _ | | 1 | |
| 27. Inumeng Baka CIS | ÷ | 132 | 911 | Inumenag. | Ş | - A) C4-08-88 | 98.15.80 | 209,320.18 | 161,377,57 | 8,531.2.5 | 13,100.001 | 26,390,00 | Active | Opert, no water availance |
| Arayat | | | | Baca Creek | | b) 07.07.88 | | | | | | | | curing dry season. |
| b. San Nicolas | | | | | | | | | | | | _ | | |
| c, Internang Baca ISA | | | | | | | | | . ; | | | 00100 | 1 | |
| 23. Senora CIS | \$ | 2 | = | SolCalubang | <u>8</u> | 60 a) 05-15-87 | 86.69.88 | 133,209.42 | 83,662,61 | 4,921.3.4 | (M)(M) | 35,384,20 | Vense | Cherationa |
| a. Portac | | | | Coerk | | 6) 08-20-87 | | | | | | | | · |
| b. Senora | | | | | | | - | - | , - | | | | | was - |
| c. Senora Farmen' IA | | | | | - 1 | - | | | 1 | 2000 | 900 | 76. 76. | Aceisa | J. W. C. C. C. C. C. C. C. C. C. C. C. C. C. |
| 29, Calulor CIS | \$ | 8 | 88 | SO Siquaço | <u>6</u> | 08-C1-11 (# 02 | /×<1.21 | 414,250.31 | 74'86'6'817 | | | 10:14:01 | 3411347 | a manufacture |
| a, San Fernando | | - | | ž Č | | (A-X2-20 (a) | | | • | | | | | |
| b, Calofox, Bulacen | | 1 | _ | | | | | | | | | | | |
| e. Calebra IGA | | · | | | | . ; | | ; | | 3 | | 7 | | |
| 30, Bris LPNCIS | 4 | 5 | -, | · Bedis Oreck | · | . a) CG-[58] | 01-13-82 | Nodeta | 24673.91 | 76'19/ X | • | C77C447C7 | THREETING | STATE OF THE PROPERTY IN |
| a, Mexico | | | | | | 6) 10-31-81 | | | | | | | | the expeded No startable 120 |
| h, Sa. Lorenzo, Sn. Pablo, Sn. Nicolas | | | | | | | | | | | | • | | |
| c. Beis LPN ISA | | | | | _ | | | | | | | 40.000 | 1 | County Cry Comm. |
| 31. San Pablo CIS | \$ | 3 , | J, | S.Misanga | R | 55 85 11-15-85 | 10-15-25 | 450,188,36 | 30,014.37 | (C./W). | X,4,4,000 | 30,046.14 | 7161116 | י לא זמו אינוש |
| R. Ste. Ada | | | | اللحة | _ | (8) 02:12:8) | | | | | | | | |
| | | | _ | | - | _ | | | | _ | - | | | |





| 1 | | | Irrigated | | Average | Date | | Project Cost | | | | | <u> </u> | |
|---|-------------|------------|---------------|------------------|---------------|----------------|---|--------------|--------------|--------------|--------------|------------|-----------------|---------------------------------|
| Name of System | Category S | Service | This Year | Source | Yield | | je O | | | | Amortization | | Natus of | : |
| a) Municipality | | Area | | | (cav/ha) | a) Sturted | | | | ل. | Collection | | to Sychological | Nemark |
| b) Barancay served | | (ha.) | | - I | _ | | Tumover | Total | Direct | Yearly | **** | _ | (nactive etc.) | |
| c) Name of Association | | | | | · | b) Complete | | Cost | | Amortization | - | | | |
| | | | - | | 38 | | | | Cost | | This CY-92 | To Date | | |
| | | | -1- | 7. Tr. Carel | | 101.10 | 12,15,78 | Nodera | 320.814.23 | 11.882.01 | | 4,000.00 | Inactive | Non-operational |
| NZ LA Paz Turo CIS | 8 | 3 | | 4 CUD (CUD) | | 5) 11-30-77 | | | <u> </u> | | | | | |
| is Mayor | | - | | | | | | | | | | | | |
| C. J. Con Tues ISA | | | | - | | | _ | | | - | | • | | |
| 13 Bennera (TV | ģ | 202 | • | Malisik | -, | - a) 11-15-77 | 11.26.78 | No data | 401.660.54 | 25,000.00 | • | 25,000,50 | Active | Non-operal, System was |
| And Andrews | } | • | _ | River | | M-61-57% | | | · | | | | | affected by typhous & 1980's |
| P Bornes | | | | | | : | | | | | | | | deepening & widening proj. |
| C. Barangca ISA | | | | | | | | | | | | - | | 120 ha, piented thru tanted |
| 34. Telabastagan CIS | \$ | Ä | · • | Balingbing | ÷ | . 2103-15-90 | 8-31-80 | 386,496.29 | 165.935.70 | 9,000.00 | 2,000.00 | 3,500,00 | VALIAC | Operations civing particular |
| A. San Fernando | | | | Creek | | b) 06-30-90 | | | | | | _ | | Sugarcane |
| b. Telahastagan | | | | | <u>-</u> | | | | | | | | | |
| c. Telahastagan IA | | | | | | | | | | | | | 1 | |
| 35. Ste, Marie CIS | -do | 113 | ., | · Quitangil R. | • | 18-51-00 (v | 24-22-82 | 213,996,93 | 17.317.97 | 9,570.02 | | 5,100,00 | Thactive | THE STRUCK THE STRUCK |
| e, Mabalecat | | | | | | b) 10-15-81 | | | | | | | | |
| b. Sta. Maria | | - | | - | | | : | | | | | | | |
| c. Ste. Marie ISA | | | | <u>.</u> | | | | | . 1 | | | 3 | 1111 | |
| 36. Prendindang CTS | PD-552 | ጲ | 8 | 15 BitukangMa- | 8 | 60 a) 03-15-76 | 10-12-78 | Nodate | 63,432,76 | 4,008.03 | COCK C | W.108.24 | Verlac | |
| a. Arnyal | | | | nok Crk. | | b) 12-15-76 | | | | | | | | |
| b. Phalimlang | | | | | | | | | | | | : | | |
| c. Panimlang ISA | - | | | <u> </u> | | | | | | | 4 | 000 | | |
| 37. San Roque Bites CIS | \$ | <u>\$2</u> | 8 | 4 San Roque | 8 | 75 -105-07-77 | 10-12-78 | 101,114.60 | 87.48.43. | 3,239,06 | 7,087,007 | 21,17,43 | 34037 | |
| e, Arayat | | | | Š | _ | 18) (2.15.77 | | | | | | .—. | | |
| b. San Roque Bitas | | | | | | , | , | | • . | - | | | | |
| c. San Roque Bitas 15A | | | - | | - - | 3 | 8 | 30 000 | 20.00 | 00000778 | 3000 | 08 297 780 | Active | (Operational/15.47 bas, covered |
| 38. San Jose Malipo CIS | \$ | F | 3 | 55 Malino | <u>6</u> | 75 80 02-1976 | *************************************** | 07.100,670,1 | P.C.D.COX | 2000 | 2 | | | w/ lahar, Rehab. 01/2991. |
| a. Mexico | | · · · | | , reek | | | | | | | | | | Completed 09/00/92 |
| b. San Jose Malino, Pangatian | | | | | | · · | | | | | | | | |
| c. Nati Jose Malino ISA | 100 | - 5 | -5 | (30) Ilampanan D | 8 | 60 0 08-05-87 | 07:22:52 | 5,579,302,24 | 5,515,329,76 | 123,500,00 | , | 9,550.00 | Active | Operational |
| A Can Licia | | | } | | | b) 12-07-87 | | | | | | | | |
| b. Sto. Roverto, Sta. Lucia | | | <u>.</u> | : | | | | | | | | | | |
| Sta. Maria, Sto Tomas | | · | - 1 | | | | | | | | | | | |
| Sta. Catalina | : | | | | | | | | | | | | | |
| c, San Schastian ISA | | ; | | i | ; | | 200 | 770 055 75 | 1 507 201 10 | 00'00'69 | | | Active | Under 30% equity |
| 40. Calelor CIP II | \$ | 8 | ę, | Solution of | <u>s</u> | 10 YO W | 1 | | | | | | | (Ciquity not yet completed) |
| e, Sen Persendo | : | | | , , , | · · · | ; | : | | | | • | | | |
| b. San Kaiwei, Fanipuan, Caldin | | | | | | | | | | | | • | ÷ | |
| c, chemonia, inc. | | 8 | 8 | TO Democros | 8 | SO 222.90 | 06-30-92 | 1,282,955.16 | 1,128,836,47 | \$4,000,00 | • | | Active | Operational |
| 41. Cabezairis | ranneibanna | | | 200 J | | b) 12-15-91 | : | | | - | | - * | | |
| i. Araya. | | | | | | | | | | | | | | |
| o, Calcarda | | | | | | | | | | | | | | |
| | - | | - | : | | - | | | | | | | | |
| | | | | | | | _ | | | | | | | |



| Name of System | Carrent | , John Start | This Very | 2 2 | Counce | Vield | | |)a(c | | | | Amodizabon | 00,000 | Scattis of | |
|--|---------------|--------------|--------------|--|------------------|--------------|-------------|----------------|---|---------------|---------------|------------|------------|--------------|----------------|-----------------------------------|
| a) Minicipality | | A 17 | - | j | 3 | (ea/yea) | | a) Started | 1 | | | | Collection | 1000 | 1A (Active or | Remarks |
| b) Barancay served | · . | 3 | - | T | | - | T | | Tumover | Total | Direct | Yearly | | | Inactive etc.) | |
| c) Name of Association | | [| | | | | <u>ā</u> | b) Complete | | S | Chargeable | ક | - | | | |
| | | | Ϋ́ | Ž | | X | 2 | • | : | | <u>.</u> | <u> </u> | This CY-92 | To Date | | |
| 42 Mandavig PIS | ş | 265 | ╅╌ | 100 | 1960 L'ambanga | | 75 80.1 | 75 4) 12-01-91 | 11.15.92 | 1.045,000.00 | K50,141,52 | 81,000.00 | | | Active | Under 30% equity, But, equity |
| a. Candaba | | | : | C | Creek | - | 3 6 | | | | | | | | | to the gen, an of date of |
| b. Mandanig | | | _ | | | | | | : | | | | | | | tumover is P121187.40 |
| c. Mendasig ISA | | | | | | i y | | | | | | | | | | |
| Sub-Yotal | | 5,343 | 1,832 | 1,130 | | - | | | | 24,029,943.60 | 21,236,682,74 | 970,263,21 | 198,625,81 | 1,214,159.07 | | |
| A.1 Individual Pumps (various locations) | | | i | | | | | | | | | | | | | |
| No. of units = 20066 | : | \$ | 5 | S | | | | | | | - | | | | | |
| B. Non-Americans | | \dagger | † | Γ | | | | | | | | | | | | |
| | Dole-out | ģ | Š | ş | 6.5 Quitangil R. | 8 | 73 | 75 3 10-15-66 | 12-31-67 | No record | | | | | | Farmers used brushdam/others |
| a. Mabalacat | | | | | : | | ê | b) 03-31-67 | | available | • | | | | | used deepnells |
| 5. Dect | | | | | | <u>-</u> | | | | | | | | | | |
| c. No Registered IA | | | | <u>. </u> | | <u>·</u> | - | | | | | | | | | |
| Superg Balen CTS | \$ | 3 | | | ģ | • | 0N (8 | . <u>.</u> . | • | \$ | | | | | Inactive | Non-Operational, The systems |
| a. Mabulacat | | | | | | | X. | Record | ~ | | | | | | | area totally covered by tahar |
| b. Sapeng Baken | | • | | | - | | | <u>.</u> | | | | , | | | | ~ |
| c. Sapang Baken IA | | | | <u></u> | | | · . | | | | | | | | | |
| 3. Mancap CIP | Participatory | Ş | • | ₫. | Ramban | • | (a) | a) 01-15-85 | Norya | • | • | ı | , | | Inactive | Non-operational/Diversion dam |
| a, Mabalacat | | | | œ. | River | | <u>s</u> | • | turbover | | - | | | | | was warbed out. Totally |
| 5. Doloves, Tabun Librard | | | | | | - | | | | • | : | | | _ | | affected by Jahar |
| c. Tabua Aptian Cacutud IA | : | - ; | | <u></u> | | | | | | | | | | | | (|
| 4. San Vicente CIS | \$ | <u> </u> | , , | <u> </u> | I'ambum | € | 3 | | 25.15 | \$ | | | | | كطابه | Operational, l'armers uned |
| in Charles | | | - | <u>ت</u> | Crack | | 6 | /o-C1-C2 (o | | | ••• | • | - | | | штость |
| AT A LANGUAGE | | | | | | | | | | | | | | | | |
| C. No regarded IA | | | { | | | - 8 | | | 9 | | | | | | 1 | |
| Se Crack | \$ | Ş. | Ž. | <u> </u> | 30 Malona | 2 | 2 | | 2.50 2.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3 | ģ | | | | | Active | i perational |
| a. numberenge. | | | | | | | 6 |) 0-15-CD (0 | | , | | | | | | |
| c. Orazina Com. (nc. | | | | <u> </u> | · · | · | - | | | | | | ~~~ | | | ~~~ |
| 6. C. Parcis | \$ | 9 | 8 | 8 | 92 Quitagil R. | þ | 75 0,0 | 75-51-04-15-67 | \$21.50 | \$ | | | | - 1-4 | Active | Operational - Broshdam |
| a, Magalang | | | | | | | 9 | | | | | | | | | a. 74. 1 |
| b, La Paz | · | | | - | | | | | | | | | | | | |
| c. No Registered IA | | | | | | - | _ | | | | | | | | | |
| Sen Pedro CIS | \$ | Ñ | ĕ | A . | 43 San Pedro | R | 75(6) | | 12-31-67 | No record | | | | | Adive | Operational - Brushdam |
| n. negowang. | | | | <u>)</u> | CIER | | 6 | /9-C1-C0 (a | | | _ | | | | | ~~~ |
| c. Nomeriteerd IA | | | | | | | | | : . | | | | | | | |
| Villamaria CIS | \$ | J, | , | <u> </u> | Villamenia | • | <u> </u> | a) 10-15-74 | 10-15-75 | \$ | | | | | Inscive | Non-operational, Totally |
| a. Porac | | | | Ū | Creek | - <u>-</u> - | | b) 03-26-75 | | | | | | | | affected by Mt. Pinatuho. |
| b. Villamenia | | | | | | | : | | | | | | | | | Other areas converted to inchard. |
| c. No regatered IA | | | | | | | | | | | | | - | | | |
| | | - | 1 | | : | | - | | | | | | | | | |
| | | | _ | | | - | | | | | | | | | | |







| 1 1 1 1 1 1 1 1 1 1 | Name of System a) Municipality | | | | | Vieta Vieta | | 2 | | | | Amortization | ration | Status of | |
|--|-----------------------------------|---------|---|---|-------------------|----------------|----------------|----------|--------|-------------|--------------|--------------|---------|----------------|--|
| 5) Maringly, served 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, | a) Municipality | | 200 | | car source | Dioi. | | J. | | | | 5 | 5 | IA (Active or | Remarks |
| b) Bannago verved (1bA) | | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | - | (cav/ha) | a) Started | · · | | · · | | 3 | | fractive efe. | |
| Control of National Contro | b) Barangay served | | (Ba) | - | | | | | Total | | reariy | - State Pa | | וושכנו בר בנבי | |
| Materwork (3) | c) Name of Association | | | | - | | b) Complete | | ž O | | Amortization | This CY-92 | To Date | | |
| Marketing CEE 150 | | : | | | D ₂ y | | | | | | | | | | |
| Substitute Magnage 17 Magnag | | \$ | _ | 1 | 198 Sapang | | Q | 1955 | \$ | | | | | Active | Operational, but 40 ha, covered |
| 46. 21 1 Topouros 66 70 10 10 10 10 10 10 10 10 10 10 10 10 10 | | | | | Matur | | P 61 (q | | | | | | | | nover full |
| 46. (7) 64 (4) Superage (7) 100 (4,07.73) (2,23.73) 450 (4,07.73) | t, San Basilio | | | | | | | | | | | | | | |
| de. 70 64 64 Superity 65 70 Superity 65 70 Superity 70 Superit | o. Nagaryany IA | | | | | | | | | | | | | Active | Chermional (29 ha. |
| Acc. 211 Trigupum 10 10 10 10 10 10 10 1 | Paligue Libund CIS | ģ | 8 | | Supering Napoling | જ | 70(8) 0(-07-75 | 8 4 | \$ | | | | - | | converted to augarcane |
| A Content A Content B Content B Content B Content B Content B Content B Content Content B Content | r. Sta. Rita | | | _ | 1, hutad | | 81 OS-30-75 | | | - | | | | | |
| A | , Dila-Dita | - | | | | | | | | | | | | | |
| Control Cont | . No regiment !A | | | | | | | | | _ | | , | | Inactive | Totally affected by |
| Comments | Tugtugen CIP | 8 | 77 | | Toguzan | • | 2 | • | | • | | _ | | | Mr. Picalubo enumero. |
| 46- 386 70 - No record - a 100-15-07 05-20-66 46- 46- 46- 46- 46- 46- 46- 46- 46- | Floridablanca | | | | Creek | - | Ê | | | | | | | | Z. C. C. C. C. C. C. C. C. C. C. C. C. C. |
| 1, | Pullanites | • • | | | | · · | | | | | | | | | - 1260 |
| des 366 190 190 jaans Creek 70 190 jaans Creek 70 <th< td=""><td>Vulv Catate lingues 1A</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<> | Vulv Catate lingues 1A | | | | | | | | | | | | | | |
| dec. 588 70 No record -, a 10 51.5-67 04 07.54 do- Inadire Inadire dec. 112 -, indicated 70 65 a 1967 1969 do- Inadire Inadire dec. 112 -, indicated -, in 10.157 01.0778 do- do- Inadire Inadire dec. 112 -, indicated -, in 10.157 01.0778 do- do- Inadire Inadire dec. 112 -, indicated -, in 10.157 01.0778 do- do- Inadire Inadire dec. 231 -, indicated -, in 10.153 01.0778 do- do- Inadire Inadire dec. 231 -, indicated -, in 10.57 0.0778 do- do- Indicated | 20 June 9-10-2 | <u></u> | š | | 199 Bano Creek | 8 | 75 43 03-15-67 | 05-20-68 | ÷ | | | | | Active | Operational |
| Marchest | CHEST JURIS ENGLY CALL | | | | | - | b) 09-30-67 | | | | _ | | | | |
| Standard S | A TROUBLE | | | _ | | | | | | | _ | | | | |
| State Control Contro | Sen Juan Bano | | | | | | | - | | | | | | | |
| Subjugged CTS | No registered IA | | | | | - | | . 6 | . 4 | | | | | Inactive | Non-operational, Area planted |
| 194 150 | Salapungan CIS | \$ | * | | No record | · · | (0.01.60) | Open Com | 3 | | | | | | is thru rainfed |
| dec 112 Talanan 1 10 1 55 1 55 7 1 599 do Vicion do | Candaba | | | | | _ | 6) CC CC CC | | | | | | : | | |
| do. 130 150/Sin Cabrier 70 65/s 1567 1969 do- Accessor of the contract of the contract of the co | Selapungan | · · | _ | | - | 7 | | | | | | | | | |
| do. 150 150 isolated 70 658 j 1967 1969 do. do. 112 | No regardened IA | : | | | | | : 1 | : | | | | | | | Postson and Processing |
| do. 234 - 7 Adams - 3 10-15-72 01-07-74 - do. - do. - 112 - Padasan - 3 10-15-72 - do. - do. - 121 - Padasan - 3 10-15-72 - do. - do. - do. - 234 - Padasan - 3 10-15-72 - do. - do. - 134 Page Greek - 3 10-15-55 - 3 10-15-55 - 3 10-15-55 - do. - do. - do. - 72 No. - do. - 3 10-15-55 - do. - do.< | San Gabbiel CIS | \$ | <u>a</u> | | 150 Sn. Gabriel | ٤ | 65(6) 1967 | 68 8 | ģ | | | | | | the converted to fight and |
| 112 Creek 10.05.72 01.07.74 -do | Macahebe | | | _ | E Y | | 888 6 | | | | | | | | Irrio sees that rainfed. |
| 112 . | San Cabriel | | | | | | | | | | | | | | |
| 12 12 10 10 15 15 15 15 15 15 | Vi Serational N | | | | | | | | | | | | | | |
| A | Notes (18 | ģ | 112 | • | Ratasan | • | 10.15.72 | - | ģ | | - | | | inactive | Control of the contro |
| 1.0 do 231 - Palamon - a) 1961 1963 do liancive b) 1962 do liancive b) 1962 do liancive liancive b) 65-30 do liancive li | Vierebelle | | | | Ceek | - | b) 05-31-73 | | | | | | | | |
| 1.h | | | | | | | · - | | | | | | | | |
| 17. do 1961 1963 do 1961 1963 do 1964 1965 1965 do 196 | Nonepatent IA | | | | | · · | | | | | | | | , | 1 |
| 10. | Vinital California | ş | 77 | • | | • | a) 1%1 | 1963 | \$ | | | | | Inactive | Account the state of the state |
| A | Minusian Cara | | | | | | (a) 1962 | | . · | | | | | | covered by lahar |
| A | | | | | ••• | | · | | | | | | | | |
| 46. 34 34 34 34 00-15-55 00-15-55 00-15-56 a) 01-15-55 00-15-56 a) 01-15-55 00-15-56 a) 01-15-55 00-15-56 a) 06-30-55 00-15-56 00-15-56 a) 06-30-56 00-15-56 00 | | | | | - | | | | | <u>:</u> | | | | | |
| A deive Active (Creek 100) Malabar 80 a) not yet (Creek 100) Malabar 80 a) | | \$ | Ē, | | Tal Casu Creek | | a) 01-15-55 | 03-15-56 | | • | , | • | • | Active | Oper I system to the renam. |
| -do- 77 72 72 Sineguelas 70 65 s) - Creek b) - b) - co- 1,078 - 100 Malabar 80 s) not yet | Surface Co |) | | | | | 5,04-30-55 | | | | | | | | \$ h |
| -do- 7.7 7.2 7.2 Sineguelas 70 654) - Creek b) - Creek b) - Creek b) - Creek b) - Solo Malabar 80 a) net yet Creek started | a, our rain | : | | | | - | | | | | | | | | |
| do- 7.72 7.72 7.72 7.00 (554) - (514 | o, Osta-osta | | | | | - | | _ | | | | | | | |
| on Vicente do 1,078 100 Maiabat 80 a) mot yet Started | c. Gago Dam IA | | | | | | | | | | | | | Active | 4 |
| San Vicente A -do- 1,078 - 1000 Malabar 80, a) not yet Creek started | 8. Divisoria CIP | ģ | F. | | | ₹ | 3 | _ | | | | | | | |
| San Vicente A do- 1,078 1000 Maiabar 80 a) not yet Creek started | e. Mexico | | | | Sec. | | , ē. | | | | | | | | |
| A do. 1,078 . 100 Malabar 80 a) not yet Creek stanfed | b. Mahalucuc, Sen Vicente | | | | | _ | | | | | | | | | |
| -do- 1,078 100 Malabar 80 ja) not yet Creek Started | c. Siniguelas IA | | | | | | | | | | | | | Active | ş |
| Check | 9. Virgen CIP | \$ | 6 | | 100 Malabat | , | 80 a) not yet | | | | | | | | |
| | a. Candaba | | | | ري ور | | STREET | | | | | | : | | |
| D. Arbanigan Canad | b. Kebalagang Palang | 1 | | | | | | | | | | | | • | |



| Name of Name | | | - | | | | | - ! | - | | | | | | | | |
|---|--------------------------------|-----------|-------|------------|--------------|------------------|--------------|--------------|--------------|-------------|--------------|--------------|--------|------------|----------|----------------|---------------------------|
| March Marc | Name of Section | | | Trick | _ | water Courter | Avera, | <u> </u> | F | | د اماددا حصر | | | A model | anti-ora | Status | |
| Companies Comp | of Marie Section | (ancigna) | N AIC | , e | | bonnos: | Ĭ., | | | - t- | | | | | i ducii | Addition of | - |
| Application | a) intumorpanty | | S C | | 1 | | (Cavin | 7 | | | i | | ; | S CO | Hon | וע (עכמאכ פו | ACHIBITA |
| Cop | b) Barangay served | | | <u>- :</u> | | | | - 2 | Complete [1] | urnover | Total | Chargeable | Yearly | | | Inactive etc.) | |
| Cop Not Decided Decided Not Decided Deci | the state of Constitution of | | | | | | | | | | Š | Š | | This CY-92 | To Date | | |
| COS Sec. NOC | | | | | ٤ | | } | - 닭 | | | | | | | | | |
| Copy | Antolome CIP | ÷ | 8 | • | 4 | mpanga | | • | | | | | | | | Active | Proposed project under |
| Crop. Crop. Li Novegesida Cris. S Acquer Cris. S Acquer Li Novegesida Cris. S Acquer Cris. S A | | * . | | | ź | ţ | | | | | | | : | | | | NA-PDP-IC |
| Changestate | Autocome | | | | | | | | | • | | | | | | | |
| Control Cont | E Martus CIP | \$ | 9 | . , | | mne Matua | • | <u> </u> | | , | , | | , | ŧ | ٠ | | |
| March Marc | | | | | | ¥ | | | | | | | | | | Active | Proposed project under |
| And the control of th | Ma, S. Miguel, Brongcalna | | | | | | | - | | | | | | | | | NIA-PDDP-IC |
| A de- 129 429 130 130 150 150 150 150 150 150 150 150 150 15 | en, S. Francisco, S. Roque | : | | | • | | | <u> </u> | | | ••• | | | | • | | |
| The control | ig Matus IA | | | | | | · | | | | | | | | | | |
| Spaing Pretin LA Acc 3.09 3.05 50 70 1.00 1.05 50 70 1.00 1.05 | Ming CIP | ţ | 429 | 429 | 150 CT. | Suga | 9 | 8 | | Not yet | 1,811,000.00 | 1,517,599,90 | | • | | Active | Scheme, Not yet tumover |
| Supplement 1, | ¥. | | | | Ě | tan Crk. | | - | | tumover | | | | | | | |
| Suppose Cope | ating | | | | | | | | | | | | - | | | | |
| Jun | lating Sapung Pretan LA | | | | . | | | | | | | | | | | | |
| 1,816 1,570 1,850 1,816 1,817,592,50 16,643,20 1,817,592,50 16,643,20 1,817,592,50 16,643,20 1,817,592,5 | ÇIP CIP | ş | 8 | 8 | 8. 8. | e u | § | | Notyet | • | • | • | • | • | | | five implementation under |
| 1,816 1,279 1,800 1,517,597. | * | | | | | | | _ | tumover | | | | | | | | PODP-IC |
| 40- 219 312 200 158 -40- 70 75 80 40- 40- 40- 40- 40- 40- 40- 40- 40- 312 200 158 -40- 70 75 | , San Juan | | | | | : | | | <u> </u> | | | | | | | | |
| 46- 312 200 198 44- 70 73 46- 70 73 75- 70 188 64- 70 75- 70 198 64- 70 75- 75- 75- 75- 75- 75- 75- 75- 75- 75- | | | | 7 | | | | | | | : | | | | | | |
| -do- 2.19 30 219 Parquaga R, 60 30 Noxyer | Sub-total | } | 100, | 2, 122 | 1,456 | | | - | | | 1,811,000,00 | 1,517,599.90 | | | | | |
| 1816 1272 1800 180 1800 1 | deal Pumps (various locations) | | | | . , | | | | | | | | | | | | |
| 115(do. 219) 310 - 219 Partyunga R, -(do) 30) Not yet(do. 219) Partyunga R, -(do) 30) Not yet(do. 320 - 4) 311(do. 320 - 4) 311(do. 320 - 4) 311(do. 320 - 4) 311(do. 320 - 4) 311(do. 320 - 4) 311(do. 320 - 4) 311(do. 320 - 4) 311(do. 320 - 4) 311(do. 320 - 4) 311(do. 320 - 4) 311(do. 320 - 4) 312(do. 320 - 4) 313(do. 320 | (dark = 281 | | 8 | | 000 | | | | | | | | - | | | | |
| 15S. | Company | | | 1 | | | | | | | | | | | | • | |
| S.Ado. 163 163 163 -do. 60 70 -dodododododododo. | oyanan PIS | ģ | - 61 | Q. | 219 Par | TOWNER K. | -8 | 8 | ¥ | Ş | | | | | | Active | Operational |
| S.A | 5 | | | | _ | • | | 5 | Jones | | | | | | | | |
| Adming PTS | OMBRIO | | | | | | | | | | | | | | - | | |
| define PTS 46 163 46 40 70 46 | osario ISA | _ | | | - | | | | | | | | | | | | |
| SSA | eo PTS | \$ | 3 | <u>163</u> | 5 | \$ | 8 | 8 | \$ | \$ | | | | | | Active | Non-oper'l, system under |
| SA | £ | | | | | | | | | | | | | | | | construction |
| SA do 320 41 311 do 60 80 do do Active and ating PTS do 1202 112 202 do 70 75 do 70 75 do 40 70 75 do 40 70 75 | 9 | | | | | | | | | | | | | | | | |
| Active Ac | MotSA | | - | | | | : | | | | | | ner | | | | |
| 46- 202 112 203 46- 65 88 46- 70 73 | PTS | \$ | 320 | 7 | 311 | \$ | 8 | 8 | \$ | \$ | | | | | | Active | Oper1, for rehab, CY 30 |
| 40- 2002 112 2002 40- 655 880 40- 312 2000 1586 40- 70 75 | 4 | | _ | | | | | | | | | | | | | | · |
| 40- 2002 1122 2002 40- 655 880 40- 3112 2000 1598 40- 700 75 | | | | | | | | | - | | | | - | | | | |
| 46- 202 112 202 46- 65 80 46- 312 200 15% 46- 46- | ISA · | | - | | | | | | | | | ٠ | | | | | |
| \$ 13.2 200 13.2 13 | rec. Candating PTS | þ | 33 | 112 | 202 | ş | 3 | 88 | | | | | | | | Active | Proposed for CY 93 |
| 17.5 do: 7.0 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 | - | | | | | | <u></u> | | | | | | | | | | |
| T.S. do- 70 75 | Ring | | | _ | | | | | - | | | | w: | | | | |
| 715 200 198 do 75 75 purpose Coop. | ting ISA | | | | | | | | | | | | | | | | |
| 6-Paris 6-Paris 6-Arati-purpose Coop. | Print Branch Piles | \$ | 312 | 8 | <u>¥</u> | \$ | 8 | ķ. | | | | | ****** | ···· | | Ą | Proposed for CY 23 |
| # Nati. purpose Coop. | £ | | | | | | - | | | | | | | | | | |
| # Watth-purpose Coops | G-Pariz | | | | | | | | | | | | ~~ a | | | | |
| | g Maki-purpose Coop. | | | | | | 3 | | | | | | | | | | |
| | | | | | | | : | - | | | | | | | | | |





| Name of System | Category | Service | Impated This Year | <u> </u> | Source | Yield | <u>. </u> | | Date | | | | Amortization | none | Status of | 2 |
|------------------------------------|----------|------------|----------------------|--------------|-----------------|------------|--|-----------------|----------|---------------|--------------|----------------|--------------|------------|-----------------|-------------------------------|
| | | Area | | • | | (cav/ha) | | a) Started | Ł | | · | t_ : : | Collection | rog Tog | IA (Active or | Kemarks |
| b) Barangay served | | <u>ਵ</u> | - | _ | | | : | | Turnover | | | Yearly | • | | ווושכווגב כורי) | |
| c) Name of Association | | | | | | | <u> </u> | b) Complete | | , , , | Cost | I SOURCE STATE | This CY-92 | To Date | | |
| 1 | | | บั ≱ | Š | | Wet | Š | <u> </u> | | - | } | | | | | |
| Sea Miguel PIS | -op- | 200 | 4_ | 9 | ė | Ď | ĸ | | <u> </u> | | | | | | ş | Proposed for CY 93 |
| a. San Simon | | | | | | | | | • | | | | | | | |
| b. San Miguel | | | , | | | | | | | | | | | | | |
| c. San Miguel Riverside IA | | 3 | | | 4 | _ <u>E</u> | ¥ | - | | | | | | | ş | Proposed for CY 93 |
| 7. Ste. Cruz PIS | ş | 27 | <u>ç</u> | | Š | ξ | | | | | | | | | | |
| A. Nan Nimon | | | | | - | | | •• | | | | | | | | |
| 9. Sup. Cres. | | - | | <u>.</u> | _ | . 7 | - : | | | | | | | | | |
| Ne. Crez. Cennelyan 1377 | 4 | 7 | ٤ | 7 | ş | ş | 8 | 0 | 01-11-33 | 970,000.00 | 751,130,02 | 58,773,87 | | | ş | Scheme I completed |
| R. Ste, Cruz Pamenog 115 | Ş | | <u>}</u> | į | 3 | | - | | | | | | | | | (PDDP-IC) |
| e, Sen Luie | | | | _ | | _ | | • | - | • | | | | | | |
| 5, Sta. Chuz, Sta. Catation | | | | | | | | | | | | | | | | |
| C. MR. CTUZ, MR. C. BIBHINA | | | | - | | | | | _ | - | | | | - | | |
| (Paminiog) IA | | | | | | ř | ξ | 10 36 11 | 877 | 2180 576.05 | 1 005 454 00 | 172,733,04 | | | \$ | Scheme Lownpleted |
| Manage PIS | ģ | <u>8</u> | ?, | <u>.</u> | 8 | 2 | | | | | | | | | | (PDDP-IC) |
| a. San Jean | | _ | | | | | - | - | | | | | | | | |
| b. San Luin | | | | | | | | | | | | | | | | |
| c. Sitio Matequi IA | | | | | : | | : ' | | | | 0.00 | | | | ş | Scherre I completed for final |
| 10. PISA (Su. Riu) PIS | ş | 45. | 8 | 1 | \$ | 8 | 8 | 100/8) 04-22-92 | 5. 5. | 900,000,00 | 394,0474.17 | | | | 1 | Simportation (VDD)*-IC) |
| a. San Lum | | | | | | | ٩ | 6) 07-31-22 | turnover | | | | | | | |
| b. Ste. Rite, San Carton | | | | | | | | | | | | | | | | |
| c. TISA IA | | | | | | | _ | | | . ! | | | | | .4 | vicesome II semody |
| 11. Tagumday P1S | \$ | 23 | ž. | 236.51 | 236 Sta. Monica | 8 | 8 | : | • | 6672,667,58 | 3,777,443,58 | | | | \$ \$ | functional at wantermany |
| A. San Simon | | | | Ü | Set. | | <u> </u> | 16-10-01 (9 | | | | | • | | | CDDDP.IC |
| 7. Sen Ledro | | | | | | | | | | | | - | | | | |
| c. Damayang Magasaka ng San laidro | | | , <u></u> | | | | : | | - | | | | | | 4 | Softene Completed for fine |
| 12. Bagong Silang PIS | \$ | 3 | 8 | 160 | 160 Pampanga R. | 7 | 100 | 100 20 04-20-92 | No ve | 1.443,281.89 | 1,232,115,33 | 115718.26 | | | 3 | Compension (PROD) (C) |
| a. San Simon | | | | | | | ِ مَد | 6) 06-30-92 | turbover | | | | | | | (and to the manufacture) |
| b. San Juan | | | | | | | <u></u> | | | | | | | | | |
| c. Bagong Silang 1A | | | | 1 | | | • | | | | | | | | ş | For implementation |
| 13. Sta, Monica (PAGASA) ITS | ģ | ន <u>ា</u> | ន្ត | 8 | 100 Sta. Monica | Ŕ | a | | | | • | | | | | (PUDP-IC) |
| e, San Simon | | | | _ني |) Coek | | | | | | | | | | | |
| b. Sta. Monica. | ٠. | | | - | | | _ | | | | | | | | | |
| e. PAGASA IA | 4 | 6 | \$ | 5 | Carolinkan | Ý | ¥. | | | | • | | | | ş | \$ |
| 14. Katubutan PIS | ģ | Ě | | <u>-</u> | | • | <u></u> | | | | | | | | | |
| 4, Sep Luis | | | | | | | _ | | | | , | | | | | |
| D. SAIL JUAN | : | | | | 1 | | | - | | | | | | | | |
| C. Ketowas IA | 4 | | - F | S | | ··- | | | | | • | | | | -8 | \$ |
| CL velongeo rus | \$ | š | | ? | | | | | | | | | -us-11- | | | |
| a, Candada | | | | | | | _ | | | | | | | | | |
| 5. San Agustin | | | • | | | | | • | | | | | | | | |
| c. virkelice Lv | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | _ | | | |
| | | | | | | _ | - | | | | | | _ | | _ | _ |







| National Content Conte | | | | mented | pot | Water | Average | - | Date | - | Project Cost | | | _ | | : | |
|--|---------------------------------------|-----------|---------|--------|-------------|-----------------|----------|------------|-------------|----------|------------------|--------------|-------------|-------|---------|------------------|------------------------------------|
| Control Cont | Section of Section | | S. Mary | | .5 | Source | Yield | 2 1 | - | | | | | Amort | 17ation | Status of | |
| 10 10 10 10 10 10 10 10 | a) Ministration | | A | • | | } | (Cay/h | | _ | ــــ | | | | Colle | ction | 1A (Active or | Remarks |
| Well Dry | a) Municipanty | | 7163 | - | T | | 3 | 1 | | | 1 | - L | Veariv | | | Inactive etc.) | ~~~ |
| Accordation | o) Borangay served | | ે દ | | | | | Ĩ | | | - - 5 | | Americation | | | | |
| 4c- 1300 1200 330 | C) Ivariac of Association | | | | _ | | | <u>.</u> | | | | | | | To Date | | |
| -do- 1,200 1,200 4,00 -do- 1,200 1,200 4,00 -do- 2,70 - 2,204 3,444 -do- 2,70 - 4,50 - 3,00,000,000,000,000 -do- 2,70 - 4,50 - 3,00,000,000,000,000 -do- 4,50 - 3,00,000,000,000,000 -do- 4,50 - 3,00,000,000,000,000 -do- 4,50 - 3,00,000,000,000 | | | | Š | | | | | | | | | | | | |
| ## Comp. 1,200 1,200 400 | | * | 130 | 2 | 130 | | 1. | | f | | | | | | | ģ | op- |
| 1,200 1,200 400 1,200 400 1,200 | | ļ | - | | 3 | | | | | | | | | | | | |
| -ch- 1,200 420 Delever 143 - Combangi R | N Ste Bite Ste Corr. See Poblo | , | | | | | | : | | | | | | | | | |
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| 4.577 2.346 3.474 | 7. Manager MS | \$ | 200 | | 8 | | | | | | | | | | | ş | \$ |
| 1,000 1,00 | a. Candate | | | | | | ٠. | | | | | - | | | | | |
| 130 | b. Mapenique, Pankinlang | | - | | | | | | | | : . | | | | | | |
| 4,577 2,344 3,444 11,004 12,004 11,004 15,004 11,00 | c. St. Joseph Multi-Purpose Coop. | | | | | | - | | | | | | | | | | |
| Dode rest 143 Quitangil R. a 1934 1934 No rest | Sub-Total | | 4.517 | 2,94K | 3.474 | - | - | - | | | 11,666,525,52 | 8 168 197.59 | | | | | |
| Dode cout | | | | | | | | - | | : | | | | | | · | |
| A do- 279 | her Government Agencies | : | | | | | | : | | | | | | | | | |
| 11.1. dec. 279 dec. b) 1927 1928 11.1. dec. 279 dec. b) 1927 1928 11.1. dec. 279 | . Mabatacat CIS | Dole cout | 3 | • | <u>بن</u> | hartengal R. | | <u>.</u> | | | No record | | | | | 2 Marting | anipolitation is an encountered in |
| 11.1. do. 277 do. 1928 1928 1938 1940 | a. Mahalacat | | | | | | | <u>-</u> | 3 | | | | | | | | |
| 11.1. | b. No record | | | | | | | | | | | | | | | | |
| 11. | c, No registered IA | | - | | | | | 1 | - | 26 | 4 | | | | | Inactive | Non-operl, area developed into |
| 11 | | \$ | | | | ş | | . <u>-</u> | | • | } | | | | | | subdivision |
| 11A | a, spacebook | | | | | | | _ | • | | | | | | | | |
| 11A | C. Carletina A. M. conjugate 1.A. | | | | | | | | | | | | | | | | |
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| Nables No repidented IA | Natalecat | | | | | , | | 2 | 616 | | | | ••••• | | | | явлоїч гаол |
| Novepatered IA Quinnpil GIS Mabucat Parainyuran, Bondagul Nove gracered IA Vpper Carractivite Nove gracered IA Salen San Roque Nove gracered IA Maguing Mag | A Naviga | | | _ | | | | | - | | | : | | | | | |
| Optiangal CIS -do 114 60 30 Quiangal R. 45 70 a) 10.15-66 01.15-68 Paraityurun, Bondagul No registered IA -do 30 -do No data No registered IA Viper Camachile CIS -do -do No data No registered IA -do -do -do -do No registered IA -do -do -do No data -do -do -do No data -do -do -do No data -do -do -do No registered IA | c. No repriend 1A | | | _ | | <u> </u> | ; | | - | - | | | | | | | |
| -do- 30 | . Ovrtangil CIS | ş | 7 | | 8 | Juliangi R. | ¥ | 8 | | 01.15-68 | ģ | | | | | Active | System non-oper//brushdam |
| -do- 30 | a, Mabalene | | | | | | <u>-</u> | 0 9 | 231-67 | | | | | | | | |
| -do- 30 | b. Paraluyuma, Bondagul | | | | | | <u> </u> | | | , | : | | | | | | |
| -do- 30do- Nodata -do- 450 Malona Creek a) 02.15.70 01-15.71 -do- 50 Sapang Bau Nodatadodo- 70 - Tabun Creekdo- | c. No registered IA | | | | | | | `. | | | , | | | | - | , | |
| -do- 450 Malona Creek a) 02.15.70 01-15.71 b) 07.27.70 -do- 50 Sapang Bau No datado- do- 70 Tabun Creekdo- | 5. Upper Camachile CIS | ÷ | 2 | • | • | \$ | • | <u>ž</u> | Jata | | \$ | | | | | MECHAC | ACTUAL ACTUAL OF VERIFIED INCO |
| -do- 550 Malona Creek a) 02-15-71 -do- 50 Sapang Bau | a. Mabalacat | | | | | | | | | | | | | | | | *CONTRACTOR |
| -do- 450 Malona Creek a) 02.15-70 01-15-71 | Upper Connectiile | | | | | | _ | | • | | | | | | | | |
| | c. Noregistered IA | | | | | | | | | | - | | | | | and the state of | Non-pressional/area affected by |
| -do- 50] Sapang Bau No data -do- | h. Baien San Roque CIS | \$ | \$ | • | | Inform Creek | |) | | 1/51-10 | \$ | -, | | | | | aber . |
| -do- 50 Sapang Bau No data . dodo- 70 Tabun Creekdo- | s. Nagatene | | | | | | | 6 | > | | | | | | | | |
| -do- 50 Sapang Bau No datadodo- 70 Tabun Creekdo- | b, Balen San Roque | | | | | | | | | - | | | | | | | |
| do 70 . Tabun Creek do | c. No regretced IA | | Ş | | | aband Res | _ | | | ٤ | ę | | - | | | Inactive | Numoperational, system was |
| d do do Tol . Tabun Creek | . rutong Cacuma C.i.s | \$ | 3 | • | | The Street Land | | | | } | · · | | | | | | washed outlares converted into |
| d do. 70 . Tabun Creek do. | a. Angeles Cuty | | | | | | | | | | - | | • | | | | subdivision. |
| do. 70 . Tabun Creek do. | b. Cacurud | | | | | | | · | | | _ | | | | | | |
| \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | c, Novegistered | | í | | ŧ | 30.00 | | | . 4 | | ş | | | | | Inactive | Non-operational |
| 4. Angrien City | Z Imporcis | ě | ₹ | | • | ישמאו רובנים | • | | } | | } | | | | | | |
| | Angeles City Angeles City | | | | | | | | | | | | | | | | |
| CONTROL OF THE PROPERTY OF THE | b, Tabon | | | | | | | | | | | | | | | _ | |
| C. NO PERSTELL | C. NOTE PRINTED | | | 1 | 1 | 1 | 1 | 7 | - | | | | | | | | |







| Macrostore Cash Macro Cash Macro Cash Macro Cash | Moreon System | Cateonry | S. | Impated This Year | ed Water | | Average | S | Date | man maker i | | | Amortization | ration | Status of | |
|--|---------------------------|---------------|----------|----------------------|---------------|-------|-----------|----------------|------------|-------------|--------|---------|--------------|---------|----------------|--|
| Name of Assections Characteristics Charact | a) Municipality | | Area | | | | | | • | | | | 38 | tion | 1A (Active or | Remarks |
| Name of Nanccialism Name of Nanccialism Name of Nanccialism Name of Nanccialism Name of Nanccialism Name of Nanccialism Name of Nanccialism Name of Na | b) Barangay served | | (Ja. | | | _ | | | Tumover | Total | Direct | Yearly | | | Inactive etc.) | |
| Well Day | c) Name of Association | | | | | | | b) Complete | | Š | Cost | | 1'his CY-92 | To Date | | |
| The color The | | | | | λ | Wet | | | | | | | | | | 1 |
| CTS | Porte CTS | \$ | 165 | | | | Ŀ | ş | | * | | | | | Inactive | Non-opera, affected by Mt. Pinelubo crution |
| Color | . Porac | | | ·~ | | | | | | | | | | | | |
| Color | , Baho Pangulo | | | | - | ··· | | | | | | | | | - | - |
| The color The | Northead IA | 4 | 361 | × | 175 Manibane | · | | | | \$ | | | | | Active | Non-oper1,/area restored/ |
| Care | Manipaug CLS | \$ | - | - | 1 | | | | | | | | | | | Farmers used brushdam |
| The color The | , North | | _ | | <u>.</u> | | | | | | | | | | | |
| Color Colo | . Mannael | | | | | | | | | | | | | | | |
| Colored Colo | No regreement | • | | | | | | ŧ | | ş | _ | | | | Inactive | Non-operational |
| A do | Leecis | \$ | 3 | • | TOTAL ACT | | • | } | | } | | | | | | |
| A cho | Porne | _ | | | | - | | | | | | | | | | |
| A do- 72 44 46 Innyerge 50 de de de de de de de de de de de de de | 81 | | | | | | | | | , | | | | | | |
| A de de 33 20 Innis Cret (d 10 10.15.2 04.1564 de de Montre Cret (d 10 10.15.2 04.1564 de de Montre Cret (d 10 10.15.2 04.1564 de de Montre Cret (d 10 10.15.2 04.1564 de de de de de de de de de de de de de | No regintered | | | | | | | | | | | | | | 1 | Company (Second |
| A do- (6) 35 20 heir Creek (6) (04) 10.1562 (40- 40- 40- 40- 40- 40- 40- 40- 40- 40- | Panganan CIS | ģ | C. | * | 48 Pampanga | | | ģ | | \$ | | | | | Venve | - Jeronami |
| Sea Banks Sea | Sta. Rita | | | , | | | | | | | | | | | | |
| Noneglement I, Noneglement II None | San Barilio | _ | _ | | | | | | | | _ | | | | | |
| Sub-lam Nepocress | No registered 1A | | | | | | | | | | | | | | | · · |
| 150 150 20 Gagu Creek | San Juan Nepo CIS | ş | \$ | × | 20 Renis Cres | _ | | A) 10-15-62 | 25.56 | ģ | | | | | Active | Operational, Parily affected by |
| who 150 100 20 Chaptu Creek 40 Abortion 40 Abortion -do- 35 - Politrio Creek do- -do- | Cuerta | | | | | | | b) 04-26-63 | | | | | | | | laber, A total of 31 ha, wen |
| Active do. 150 100 20 Gagu Creek 40 40 No record 60 60 60 60 60 60 60 60 60 60 60 60 60 | San Juan Nepouceno | | | | | | | | | | | | | | | affected by lahar |
| do. 150 100 20 Origin Creek 40 40 No record do- do- 40 Additive do. 35 .< | San Juan Venouseno IA | | | <u>-</u> | | | _ | : | | | | | | | ٠. | |
| do. 35 . Translog do. No record do. No record do. 100 100 framming Bace 70 60 i 1567 1564 - do. Advire do. 157 . Nievico . a) 01:1567 02:1567 03:25.70 - do. Inactive do. . o) | Cabalantian CTS | ģ | 9 | | 20 Gagu Cm | | | No record | | ş | | | | | Active | l'arty operational/area was |
| 11A | Description of the second | | | | | | | | | | | | | | | restored. Farmers wer pointed |
| 11 | Color Services | | | | | | | | | | | | | | | - |
| 11 | No resistend 1A | : | | | | | | | | | | <u></u> | | | | |
| 11 | Calvations | ģ | | • | PoteroC | reck. | , | ģ | | \$ | | · | | | Inactive | Non-operal, Totally covered by |
| 15 | Barrelor | | | | • | | | | | | | | | | | lahar |
| 11 | Caletican | | : | | | | | | | | | | | | | |
| Accordance 150 100 | No registered IA | | | | | | | | _ | | | | | | | - |
| 15 | Parabos CIS | \$ | × | | Paralog | | • | o p | | No record | | | | | Inactive | ę |
| A do. 150 100 Inumang Baca 70 60 at 1963 4 do Active A do. 157 Mexico b) 05.35-70 do do. A do. 50 Abacan River a) 02-15-67 05-25-70 do Inactive Inactive Inactive | Bacolor | | | | Creek | | | | | | | | | | | |
| A do- 150 100 100 lnumang Baca 70 60 at 1963 4 do- 60 at 1963 Active https://do- 1900 100 100 100 100 100 100 100 100 10 | Panios . | | | | | | | | | | | | | | | |
| A do. 157 . Mexico b) 05-25-70 do. A do. 900 . Abadan River . a) 02-15-67 do. A do. 900 . Abadan River . b) 05-25-70 do. | . Noregistered IA | | | | | | | | | | | | | | 4 | (been incollabor areas that |
| 61A - de 157 - Nérsico 3) 01-15-67 (21-15-69 - de 157) - Abacan River - 3) 02-15-67 (05-25-70 - de 157) - Abacan River - 3) 02-15-67 (05-25-70 - de 157) - de 157 (05-25-70 - de 157) - de 157 (05-25-70 - de 157) - de 158 (05-25-70 - de 158 (0 | Sen faidro CIS | ş | 8 | _ | | | | a) 1963 | ¥ | \$ | | | | | <u> </u> | reinfed |
| 11A do 157 . Niewoo 1901-1567 (01-1569 do 160-1569 do | . Sta, Ana | : | | | Clerk | | | 5 1863 1963 | | | | | | | | |
| 11Ado. 157 Mexico | . San Endro | | | | | | | : | | | | | | | | |
| 47. do. 90 . Abaca River . a) 02-15-67 do. do. 90 b) 07-31-69 | . No regatered IA | | | | | | | | | | | | | | Transition. | Non-contractional |
| d IAdo. 90 | . Mexico CIS | \$ | <u>.</u> | | | • | | (a) (i) (a) |) (1-1) | \$ | | | | | | - |
| d IA | a. Mexico | | | | | | . | (a) (a) | | | | | | | | |
| d IAdo. 90 Abacan River a) 02-15-67 05-25-70do | b, No record | | | | | | | | | | | | | | | |
| -do- 90 . (Abacan Rurer . a) 02-13-70 . do- | c. No registered IA | | _ | | | | | ; | 1 | - | | | | | Instant | Non-court system affector by |
| (0.15-77)(0. |). Absent CES | \$ | 8_ | | | | • | a) 02-15-07 | 24 | \$ | | | | | | Aft Prestuby coupling facility |
| | 4. Mexico | | | | | | | 60-15-/D (g) | | | | | | | | insect cleenantil |
| | b. San Jose | | | | | | | | | | | | | | | |







| a) Municipality b) Barangay served | | | , P. C. | | | | | | _ | - | TOTAL PROPERTY. | | | |
|--|-----------|----------|--------------|---------------|----------|-----------------|----------|---------------|------------------|------------------------|-----------------------|--------|----------------|--------------------------------|
| b) Barangay served | | Arca | | | (cav/ha) | 3) Started | : | | | | Collection | | 1A (Active or | Remarks |
| c) Name of Association | | Ê | | · · | | | Turnover | Total Cost | - - 2 | Yearly Amortization | | | Inactive etc.) | |
| | | | Wet Dry | | C Yow | Š | | : | E C | : | 74.72.92 194 CY-92 | o Date | | |
| 20 App.CIS | ģ | 621 | -153 | AnanCreek | 12 | + | 03.20-68 | \$ | | | | | Active | Parily Operational Tarmers |
| a. Mexico | - | | . <u></u> | | | 5) 05-31-67 | | | | | | | | depend on remiali |
| b. Asso | | : | | | | <u>:</u> | | - | | | | | | |
| c. No regardend IA 21. Nueva Victoria CIS | \$ | š | 8 | No record | • | *) OK-05-59 | 11:30-60 | \$ | | | | | Inactive | Non-operal Farmers used |
| a. Mexico | | | | | | P) 01-26-60 | | | | | | | | rainfed method |
| b. Nueva Victoria | | | | | | | | | | | | | | |
| c. No registered IA | - | į | | 2 | | No record | | ģ | | | | | Inactive | Non-operationaliarea submerged |
| 22. No. Comingo Cilo. | \$ | - | • | | | Ş | | | | | | | | |
| b. Sto Dorringo | | | | | - | | | | | | | | | |
| C. No resident IA | | | | | | | | | | | - | | , | |
| 23. Sen fedro CIS | ş | 3. | | No record | | . 1977 | - X | \$ | | | | | Inective | ફ |
| a. Minaliti | | | - | | | b) 1977 | | | | | | | | |
| b. San Ludro | | | | | | : | _ | | | | | | | |
| c. No regratered IA | | | - | | | : : | | • | | | | | fractive | \$ |
| 24. Niqui CIS | \$ | ž | • | Pampanga R. | • | 100-15-40 | 12.31.30 | \$ | | | : | | 2.02 | } |
| a. Masantol | <u></u> | | | · | | B 03-30-50 | | | | | | | | |
| b. Nigac | | | | | | | | | | | · | | | |
| c. No registered IA | | | | . 4 | | 301.0 | 390 | ę | | | | | Inactive | Non-Operational/affected by |
| ZA Nejpade CIN | \$ | <u> </u> | • | } | | | } | | | | | | | Mt. Pinatuho eruption. |
| to Canada | | | | - | | | | ., | | | | | | Area is submerged. |
| A Management 19 | | | | · | | · : - | | | ± (45) | | | | • | |
| S. Matauli CIS | -\$ | 2.3 | • | ş | • | No record | • | ş | | | | | Inactive | Non-Operational area is |
| a Mesentol | | | | | | \$ | | | | | | | | *ubmerged |
| b. Natauli | | | | | | . | | | | | | | | |
| c. No repistend IA | | | | | | | | • | | | | | Tongine | Nema Contractional area is |
| 27. Telacene CIS | \$ | <u>§</u> | | Telacen | • | 1936 | <u> </u> | \$ | | | | | | submerged |
| a, Macabebe | | | | ğ | | 0 22 | | | | | | | | |
| b, Telacsan | • | | | | · | <u>:</u> | | | | | | | •••• | |
| C. NO registered to | \$ | | • | San Just | • | - a) 1938 | 1939 | \$ | | | * . | | Inactive | Non-Operational area is |
| a. Macabebe | | | | Creek | | 3) 1938 | · | | | | | | | submerged |
| b. San Joan | | | | | | - - - | | | | | | | | |
| c. No registered IA | | | | | | | - | 4 | | | | | Inactive | Non-Cyrerational area is |
| 29. San Rafael CIS | \$ | 278 | • | Sh. Katae | • | | 5 | } | | | | | | capmerged |
| a, Macabete | | | | į | | | | | | | | | | · |
| b. San Rafori | - | | | | | _ | | ********** | | | | | | |
| c. No registered IA | | \$ | | Second Second | · | 1967 | 8 | \$ | | | | | Inactive | None Operational area is |
| 30. Sape Labuted Cas | ķ | | <u></u> - | | | 2961 (q | i : | | | | | | **** | Ruhmerged |
| a. Niekarokok | | | | | | | | | , | | | | | |
| c. No reparent IA | | | | | | · | - | | 1 | | | | | |







| rred (ha.) rred (ha.) rred (ha.) rred (ha.) do 200 do 376 do 376 do 134 do 134 | j Č | Na Creek | (cav/ha) | | Tumover 11.30-67 1973 | Cox 4 4 4 4 | Direct Chargeable A Cost | Yearly Amortization | Collection This CY-92 To D | 3,5 | চ ;; | Remarks |
|--|--------------------|---|-------------|--|-----------------------------|------------------|--------------------------|------------------------|-------------------------------|--------------|-----------|-------------------------|
| 41.A Arayas deved (ha.) 41.A - do. 270 41.A - do. 271 41.A - do. 271 41.A - do. 271 41.A - do. 271 41.A - do. 271 41.A - do. 271 41.A - do. 271 41.A - do. 271 41.A - do. 130 No date | λ | <u> </u> | 5 | 1 | | | | Yearly Amortization | | | | |
| 11 | λά | ≠ <u> </u> | 5 | | | | | Amortization | | To Date | | |
| 41A dc. 270 Wet dish do 270 Wet dish do 271 | δ. | × × × × | 5 | | 11.30-67 | \$ \$ \$ | | | | 100 | | |
| 41A decres do 270 41A decres do 370 41A decres do 271 41A decres do 271 41A decres do 271 41A decres do 271 41A decres do 134 41A decres do 134 41A decres decres do 130 No | \$ \$ 5 E | ž. , | | a) 08-30-67 h) 01-29-67 a) 1972 h) 1972 h) 1971 h) 1972 | 1973 | \$ \$ \$ | | | | | | |
| 41A do. 171 41A do. 376 41A do. 271 41A do. 285 41A do. 134 515 615 616 617 617 618 619 619 619 619 | <u> </u> | ek coek coek plad Crek | | 1972 (A) 1972 (A) 1972 (A) 1971 (A) 197 | £6. | \$ \$ | | | | | Inactive | Non-operational |
| 11A do. 376 11A do. 376 11A do. 271 11A do. 271 11A do. 134 11A do. 134 11S. Arrayas do. 130 No | \$ 6 5 £ 5 | ock cok plad Crek plad Crek | | 2721 (d) 272 | £%; | \$ \$ | | | | | | |
| 11/4 do 171 do 285 do 285 do 130 No 175 do 130 No 175 do 130 No 175 do 130 No 175 do 130 No 175 do 130 No 175 do 130 No 175 do 130 No 175 Arrayan do 130 N | <u>\$</u> \$ \$ \$ | crisen cek plad Crek plad Crek | | 1972 to 1972 t | £ £ | \$ \$ | | | | | | |
| 111 do | 2 | cek Flad Crek Amaia | | 1972 1972 1971 1971 1972 1973 | £ £ | \$ \$ | | | | <u>.</u> | | |
| 11.0 do. 370. do. 370. do. 271. do. 271. do. 271. do. 271. do. 275. do. 134. do. 130. No. 175. Arrayar. do. 130. No. 175. Arrayar. do. 130. No. 130 | 8 | sek plod Crek a. Maria | • | 100 1972 100 1971 100 1972 | £ | ÷p, ç | | | | | וושכעוגנ | Non-Operational |
| -do- 376 -do- 271 -do- 134 -do- 130 No | \$ \$ 5 · · · | plad Crek | | 1971 (d) 1971 (d) 1972 (d) 1973 (d) 197 | Ę. | \$ \$ | | | | | | |
| -do- 376 -do- 271 -do- 134 -do- 130 No | <u>5</u> | pled Crek | • | 1971 (d) 1972 1973 (d) 1972 | <u>§</u> | \$ \$ | | | | | | |
| -do- 376 -do- 271 -do- 134 -do- 130 No | <u> </u> | plad Crek A. Maria | • | 1971 b) 1972 | <u>£</u> | \$ | | | | | | |
| -do- 275 -do- 275 -do- 134 -do- 130 No | | plad Crex Maria | | 191 1972 19 1972 | 32 | \$ \$ | | | | | Inactive | Non-Constantal area in |
| 41.7 - do. 27.1 41.7 - do. 28.5 41.7 - do. 134 41.7 - do. 134 41.7 - do. 130 No. 134 | . · · | a, Maria | • | 8) 1972 1972 | - | ş | | | | | _ | |
| 41.A do. 2771 41.A do. 275 41.A do. 134 41.A do. 134 41.A do. 134 41.A do. 130 No | \$ 5 · · | a. Marie | • | £ | | | | | _ | | | SUBSTITUTE CO. |
| 41.A - do. 2771 41.A - do. 275 41.A - do. 134 51.A - do. 134 51.A - do. 130 No | \$ <u>5</u> | a. Maria | • | £ | _ | -\$ | | | | | | |
| 41A - do. 2771 41A - do. 285 41A - do. 134 51A - do. 134 51A - do. 130 No. | | a. Maria | • | | | \$ | | | _ | | | |
| 41A - do. 271 41A - do. 285 513 514 515 515 517 518 517 518 617 617 617 617 617 617 617 6 | <u> </u> | a. Maria | • | | | ş | | | | | _ | |
| 41A - do 285 41A - do 134 41A - do 134 41A - A204 41A - | | | | | 12.15.77 | : | | | | | - Allogu | Trubal Aperational |
| 41A - do 285 41A - do 134 51A - 6204 51A - 6204 51A - 6204 51A - 6204 51A - 6204 | | | | E 03-1-73 | | | | | | | | |
| d IA do 285 d IA do 134 334 345 355 355 355 355 355 | | | _ | | _ | | | | | | - | |
| 41A - do. 285 41A - do. 134 51A - do. 130 No | <u>.</u> | | | | | _ | | | | _ | | |
| d IA do 285 TS do 134 TS do 134 No-Total 6,204 | <u>.</u> | | | | | | | | | | _ | |
| 41A - do 134 318 319 319 310 310 310 310 310 310 | <u>.</u> | Carrie Casel | _ | 57.77.10 ce | m-15.74 | ģ | • | | | | Inactive | Non-Operational |
| 134 Total 6,204 130 No | | _ | | | : | | | | | | | |
| . Arayat -do- 130 No | | _ | _ | C . C . C . C . C . C . C . C . C . C . | | | | | | | - | |
| 7041 -do- 130 No | _ | <u> </u> | | | | | | | | | | |
| . Arayat -do- 130 No | | | _ | | - | • | | | | | | |
| Total 6,204 | | - | | _ | | - | | - | | | Intertine | Non-Conceptional |
| Total 6,204 | <i>5</i> . | Nan Roque | • | No record | • | \$ | | - | | | | |
| Sub-Total 6,204 Sub-Total 6,204 Sub-Total 6,204 Sub-Total 7,004 | <u>č</u> | Creek | _ | \$ | | | | | | | | |
| Sub-Total 6.204 Sub-Total 6.204 Sub-Total 6.204 | | | | | | : | | | | | | |
| Sub-Total 6,204 Sub-Total 6,204 Sub-Total 60 130 No | | | | | - | | | : | | | | |
| Sub-Total 6,204 | ı | + | | | | | | | - | - | | |
| Nee PHS, Armynt | 197 | + | | | 1 | | 1 | | | 1 | | |
| Mee PIS, Arayas | | | | | | | | | | - | | ~~~ |
| | • | Pampanga R. | _ | No record | No record | | | | _ | | Inactive | |
| | Ş | Ş | ķ | -05- | \$ | | | | | _ | Active | Operational |
| | ? | } | 2 | | | | - | _ | | | ş | Water sousce is wilabar |
| 3. San Andwid PIS, Mexico | <u>×</u> | Mars R. | • | \$ | * | | | | | : | | + |
| - | _ | \$ | | ę. | \$ | | | | | - | ş | |
| Cur. Treat | 30 | - | L. | | 1 | _ | - | | _ | _ | | |
| American | | - | | | | | | | | | | |
| | + | | | | | | | | - | | | |
| No. of units # 7.195 | - | 1 | | - | | | | | | - | | |
| Private | | | - | | | | | | | | - | |
| Dokog 188 | | Uswe Ork | • | 8261 (8 | 66 | No record | | | | | TACTIVE. | New Appropriate Area is |
| - | | | | 8861 G | | | | | | | | anymerged |
| | | | | | | | | | | | | |
| b. Dewe | | | | | | | | | | _ | | • |
| c, Noregistered IA | - | | 1 | 1 | 1 | 2.0.7 | THE CO. LANS OF | 03 (6) (0) | 100 626 CT + 12 3 C 3 CO | 11.4 14.0 cm | | |

()

PART III

UNIT PRICE FOR INFRASTRUCTURES

DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS CAPITAL OUTLAYS - AVERAGE UNIT COST

| Category/Level of Improvement | Unit of | 1987 | 1988 | 1989 | 1990 | | 1991 | |
|---|-------------|-----------|-----------|-----------|---|-----------|-------------|------------|
| Category/Level of Improvement | Measure | 176, | .,,,, | 1,00 | 1,,,, | Original | 21 Sept. 90 | 05 Dec. 90 |
| | | - 1 | | 1 | | | Price Inc. | Price Inc. |
| | | | | | | | | |
| National Roads | | + | | | | | | |
| Government | | * | : 1 | | | | | |
| Gravel to cement concrete | per Km | 2,500,000 | 2,500,000 | 2,900,000 | 3,000,000 | 3,500,000 | 3,800,000 | 5,200,000 |
| Gravel to asphaltic concrete | -do- | 2,200,000 | 2,400,000 | 2,500,000 | 2,600,000 | 3,000,000 | 3,300,000 | 4,500,000 |
| Gravel to DBST (Double Bituminous | | | | . 1 | | | | • |
| Surface Treatment) | -do- | 1,000,000 | 1,100,000 | 1,500,000 | 1,600,000 | 1,800,000 | 2,000,000 | 2,700,000 |
| Asphalt to cement concrete | -do- | 2,000,000 | 2,200,000 | 2,300,000 | 2,400,000 | 2,800,000 | 3,000,000 | 1,400,000 |
| Earth to gravel | -do- | 600,000 | 650,000 | 800,000 | 850,000 | 1,000,000 | 1,000,000 | 1,400,000 |
| Rehabilitation | | | | | | | | i . |
| Cement concrete | per Km | 1,200,000 | 1,400,000 | 1,500,000 | 1,600,000 | 1,800,000 | 2,200,000 | 2,800,000 |
| Asphaltic concrete | -\$0- | 1,000,000 | 1,100,000 | 1,200,000 | 1,300,000 | 1,500,000 | 1,800,000 | 2,300,000 |
| Aspphalt (DBST) | -do- | 800,000 | 870,000 | 960,000 | 1,100,000 | 1,200,000 | 1,300,000 | 1,600,000 |
| Gravel | -00- | 300,000 | 330,000 | 400,000 | 450,000 | 500,000 | 500,000 | 600,000 |
| Bridges | | | | | | | | |
| Construction (Permanent) | per1M | 80,000 | 87,000 | 90,000 | 95,000 | 110,000 | 120,000 | 180,000 |
| Rehabilitation Sailey Provincial Municipal Roads- /*/ | -do- | 32,000 | 35,000 | 37,000 | 40,000 | 50,000 | 50,000 | 75,000 |
| Improvement | | | | | + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 | | | |
| a. Gravel to cement concrete | per Km | 2,000,000 | 2,200,000 | 2,300,000 | 2,400,000 | 2,800,000 | 3,000,000 | 4,100,000 |
| b. Gravel to asphaltic concrete | -do- | 1,000,000 | 1,100,000 | 1,200,000 | 1,300,000 | 1,500,000 | 1,600,000 | 2,200,000 |
| c. Gravel to DBST (Double Bitu- | | | | | | | | |
| minous Surface Treatment) | -do- | 800,000 | | | | | | |
| d. Asphalt to cement concrete | -00- | 1,500,000 | 1,700,000 | | 1 | · | | |
| e. Earth to Gravel | -ರಂ- | 600,000 | 650,000 | 700,000 | 750,000 | 850,000 | 850,000 | 1,100,000 |

| Note: /*/ - Road Standards | National Reads | Provincial Roads | Barangay Roods | |
|----------------------------|----------------|------------------|----------------|-------|
| Carriageway Width (m) | 12.00 | 10.00 | 6.00 | · |
| Pavement Width (m) | 6.70 | 6.00 | 4.00 | F-1 |
| Shoulder Width (m) | 1.50 - 2.50 | 1.00 - 2.00 | 0 50 - 1.00 | |



DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS CAPITAL OUTLAYS - AVERAGE UNIT COST

| Category/Level of Improvement | Unit of | 1987 | 1988 | 1989 | 1990 | | 1991 | |
|--|---------------|-------------|-----------|-------------|-----------|-------------|-------------|------------|
| | Measure | | | | | Original | 21 Sept. 90 | 05 Dec. 90 |
| والمراوات والمرا | | | | | | | Price Inc. | Price Inc. |
| Rehabilitation | | | | } | | | | |
| Cement concrete | per Km | 1,000,000 | 1,100,000 | 1,200,000 | 1,300,000 | 1,500,000 | 1,600,000 | 2,100,000 |
| Asphaltic concrete | -do- | 800,000 | 900,000 | 1,000,000 | 1,100,000 | 1,200,000 | 1,300,000 | 1,700,000 |
| Asphalt (DBST) | -00- | 600,000 | 660,000 | 720,000 | 800,000 | 900,000 | 1,000,000 | 1,300,000 |
| Gravel | -dv- | 300,000 | 330,000 | 350,000 | 400,000 | 450,000 | 450,000 | 600,000 |
| Barangay Roads - I*I | , | | | į | | | | |
| Construction (Opening of Road) | per Km | 300,000 | 320,000 | 500,000 | 550,000 | 600,000 | 600,000 | 800,000 |
| Rehabilitation Improvement | -do- | 120,000 | 125,000 | 200,000 | 220,000 | 250,000 | 300,000 | 400,000 |
| Multi-purpose pavement | -do- | | | | 1,000,000 | 1,200,000 | 1,400,000 | 1,900,000 |
| Schoolbuildings | | * | | | | | | |
| Academic Buildings | | | | | \$. | | | • . |
| 1. One-Story | | | | | | | | |
| a. Construction | per Room | 60,000 | 65,000 | 100,000 | 125,000 | 130,000 | 160,000 | 205,000 |
| b. Replacement | -do- | 55,000 | 60,000 | 70,000 | 95,000 | 117,000 | 120,000 | 160,000 |
| c. Rehabilitation | -do- | 17,000 | 19,000 | 20,000 | 21,000 | 25,000 | 32,000 | 40,000 |
| 2. Above One-Story | | | | | | | | • |
| a Construction | per Room | 142,000 | 150,000 | 215,000 | 225,000 | 250,000 | 280,000 | 360,000 |
| b. Replacement | -do- | 125,000 | 130,000 | 135,000 | 200,000 | 225,000 | 250,000 | 320,000 |
| c. Rehabilitation | -00- | 37,000 | 40,000 | 45,000 | 50,000 | 60,000 | 65,000 | 85,000 |
| 3. Multi-purpose Workshop | | | | | *: | | | |
| a. Construction | per Bldg. | 120,000 | 130,000 | 140,000 | 155,000 | 170,000 | 195,000 | 250,000 |
| b. Rehabilitation | - d o- | 36,000 | 39,000 | 42,000 | 45,000 | 50,000 | 56,000 | 72,000 |
| 4. Toilet | | | | | | | | |
| a Construction | per Unit | 30,000 | 33,000 | 35,000 | 37,000 | 40,000 | 46,000 | 60,000 |
| Note: /*/ - Roads Standards | Natio | nal Roads | | ial Roads | Baranga | | | |
| Camageway Width (m) | | 12.00 |] | 10.00 |) | 6.00 | 7 | |
| Pavement Width (m) Shoulder Width (m) | | 6.70 | | 6.00 |) | 4.0 | ו | F-2 |
| Steelier mouting | | 1.50 - 2.50 | ol . | 1.00 - 2.00 |) | 0.50 - 1.00 | o l | |







DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS CAPITAL OUTLAYS - AVERAGE UNIT COST

| 4 |
|---|
| |

| Measure Meas | | | Unit | 1007 | 1000 | 1989 | 1990 | | 1991 | |
|--|----|---------------------------------|-----------|---------|-----------|-----------|-----------|-----------|------------|------------|
| Water Supply - Level I | Ì | Category/Level of Improvement | of | 1987 | 1988 | 1939 | 1320 | Original | | 05 Dec 90 |
| Water Supply - Level | | | Measure | - | ł | | | Oligibai | · · | i i |
| a. Construction - Deep Well per well 66,000 72,000 80,000 86,000 90,000 105,000 150,000 - Shallow Well do- 5,000 5,500 8,000 8,600 10,000 11,000 150,000 - Spring do- 110,000 120,000 250,000 270,000 300,000 350,000 500,000 b. Rehabilitation do- 5,000 5,500 6,000 6,500 8,000 8,000 10,000 c. Construction of Communal Faucet (Source Development) per proj. 110,000 120,000 250,000 270,000 295,000 350,000 500,000 Flood Control a. Earth Dike per LM 1,300 1,400 1,500 1,650 1,800 2,100 3,000 42,000 c. Dredging per cubic meter 28 30 32 35 39 45 100 d. Charinel Improvement do- 17 18 20 23 24 28 40 d. Charinel Improvement Management (SWIM) per Dam 550,000 6,000,000 7,000,000 8,500,000 9,200,000 10,500,000 110,000 f. Mini-Dams do- 34,100 38,000 45,000 63,000 9,200,000 10,500,000 110,000 i. Shore Protection a. Robble concrete seawall with wooden piles li. Office Buildings a. Construction per sq. 3,300 3,600 4,000 4,600 5,000 6,000 10,000 10,000 11,00 | _ | | | | | | | | rice iic. | Tite iie. |
| - Deep Well | | Water Supply - Level I | | | | | ı | | | |
| - Deep Well - Shallow Well - Shallow Well - Spring - do- 110,000 | | a. Construction |]] | | | | | * . | | |
| - Shallow Well - Spring - do- 110,000 120,000 250,000 270,000 300,000 350,000 500,000 b. Rehabilitation - C. Construction of Communal Faucet (Source Development) - Propilitation - C. Construction of Communal Faucet (Source Development) - Propilitation - C. Construction of Communal Faucet (Source Development) - Propilitation - C. Construction of Communal Faucet (Source Development) - Propilitation - C. Construction of Communal Faucet (Source Development) - Propilitation - Pr | | - Deep Well | per well | 66,000 | 72,000 | 80,000 | 86,000 | 90,000 | 105,000 | 150,000 |
| b. Rehabilitation do 5,000 5,500 6,000 6,500 8,000 8,000 10,000 c. Construction of Communal Fawet (Source Development) per proj. 110,000 120,000 250,000 270,000 295,000 350,000 500,000 Flood Centrol a. Earth Dike per LM 1,300 1,400 1,500 1,650 1,800 2,100 3,000 b. Revertment of Piles do 16,500 18,000 20,000 22,000 24,000 30,000 42,000 c. Dredging per cubic meter 28 30 32 35 39 45 100 d. Channel Improvement do 17 18 20 23 24 28 40 e. Small Water Improvement Management (SWIM) per Dam 550,000 6,000,000 7,000,000 8,500,000 9,200,000 10,500,000 15,000,000 f. Mini-Dams do 34,100 38,000 45,000 63,000 69,000 90,000 110,000 | | - Shallow Well | -do- | 5,000 | 5,500 | 8,000 | 8,600 | 10,000 | 11,000 | 15,000 |
| C. Construction of Communal Faucet (Source Development) Per proj. 110,000 120,000 250,000 270,000 295,000 350,000 500,000 110,000 120,000 150,000 150,000 110,000 120 | | - Spring | -đo- | 110,000 | 120,000 | 250,000 | 270,000 | 300,000 | 350,000 | 500,000 |
| Faucet (Source Development) per proj. 110,000 120,000 250,000 270,000 295,000 350,000 35 | | b. Rehabilitation | -do- | 5,000 | 5,500 | 6,000 | 6,500 | 8,000 | 8,000 | 10,000 |
| a. Earth Dike b. Revetment of Piles do 16,500 18,000 20,000 22,000 24,000 30,000 42,000 c. Dredging per cubic meter 28 30 32 35 39 45 100 d. Channel Improvement do 17 18 20 23 24 28 40 e. Small Water Improvement Management (SWIM) per Dam 550,000 6,000,000 7,000,000 8,500,000 9,200,000 10,500,000 115,000,000 f. Mini-Dams do 34,100 38,000 45,000 63,000 69,000 90,000 110,000 1. Shore Protection a. Rubble concrete seawall with wooden piles 11. Office Buildings a. Construction per sq. 3,300 3,600 4,000 4,600 5,000 6,000 8,000 neter to to to to to to to to to to to to to | | | per proj. | 110,000 | 120,000 | 250,000 | 270,000 | 295,000 | 350,000 | 500,000 |
| a. Earth Dike b. Revetment of Piles c. Dredging c. Dredging c. Dredging d. Channel Improvement do- 17 18 20 23 24 28 40 6. Channel Improvement Management (SWIM) per Dam 550,000 f. Mini-Dams do- 1. Shore Protection a. Rubble concrete seawall with wooden piles H. Office Buildings a. Construction per sq. meter 1,300 1,400 12,000 22,000 22,000 22,000 22,000 22,000 22,000 22,000 22,000 22,000 22,000 30,000 30,000 42 | | Flood Control | | | : | | | | | |
| b. Revenuent of Piles c. Dredging per cubic meter 28 30 32 35 39 45 100 d. Channel Improvement e. Small Water Improvement Management (SWIM) f. Mini-Dams 1. Shore Protection a. Rubble concrete seawall with wooden piles 11. Office Buildings a. Construction per sq. 3,300 3,600 4,000 4,600 5,000 6,000 8,000 8,000 10,000 1 | | a. Earth Dike | per LM | 1,300 | 1,400 | 1,500 | 1,650 | 1,800 | 2,100 | 3,000 |
| meter 28 30 32 35 39 45 100 d. Channel Improvement -do- 17 18 20 23 24 28 40 e. Small Water Improvement Management (SWIM) per Dam 550,000 6,000,000 7,000,000 8,500,000 9,200,000 10,500,000 15,000,000 f. Mini-Dams -do- 34,100 38,000 45,000 63,000 69,000 90,600 110,000 I. Shore Protection a. Rubble concrete seawall with wooden piles 11. Office Buildings 20 23 24 28 40 a. Construction per sq. 3,300 3,600 4,000 4,600 5,000 6,000 8,000 meter -do- 17 18 20 23 24 28 40 40 40 40 40 40 40 | | b. Revetment of Piles | do | 16,500 | 18,000 | 20,000 | 22,000 | 24,000 | 30,000 | 42,000 |
| meter 28 30 32 35 39 45 100 d. Channel Improvement -do- 17 18 20 23 24 28 40 e. Small Water Improvement Management (SWIM) per Dam 550,000 6,000,000 7,000,000 8,500,000 9,200,000 10,500,000 15,000,000 f. Mini-Dams -do- 34,100 38,000 45,000 63,000 69,000 90,600 110,000 I. Shore Protection a. Rubble concrete seawall with wooden piles 11. Office Buildings 20 23 24 28 40 a. Construction per sq. 3,300 3,600 4,000 4,600 5,000 6,000 8,000 meter -do- 17 18 20 23 24 28 40 40 40 40 40 40 40 | Į. | . D., 42 | occubic | | | | | | | |
| d. Channel Improvement e. Small Water Improvement Management (SWIM) per Dam 550,000 6,000,000 7,000,000 8,500,000 9,200,000 10,500,000 15,000,000 15,000,000 10,500,000 10,500,000 10,500,000 10,500,000 110,000 110,000 1. Shore Protection a. Rubble concrete seawall with wooden piles 11. Office Buildings a. Construction per sq. 3,300 3,600 4,000 4,600 5,000 6,000 8,500 9,400 10,500 1 | ١ | c. Dredging | | 28 | 30 | 32 | 35 | 39 | 45 | 100 |
| e. Small Water Improvement Management (SWIM) per Dam 550,000 6,000,000 7,000,000 8,500,000 9,200,000 10,500,000 15,000,000 110,000 110,000 1. Shore Protection a. Rubble concrete seawall with wooden piles 11. Office Buildings a. Construction per sq. 3,300 3,600 4,000 4,600 5,000 6,000,000 15,000,000 110,000 17,000 | | d Changel Improvement | -00- | 17 | 18 | 20 | 23 | 2- | 28 | 40 |
| Management (SWIM) per Dam 550,000 6,000,000 7,000,000 8,500,000 9,200,000 10,500,000 f. Mini-Dams -do- 34,100 38,000 45,000 63,000 69,000 90,000 110,000 I. Shore Protection a. Rubble concrete seawall with wooden piles per I.M 7,200 7,900 8,500 9,400 10,000 12,000 17,000 II. Office Buildings a. Construction per sq. meter 3,300 3,600 4,000 4,600 5,600 6,000 8,000 meter to to to to to to to | l | G. Charlet Improvement | | | | ĺ | | | | |
| f. Mini-Dams I. Shore Protection a. Rubble concrete seawall with wooden piles II. Office Buildings a. Construction per sq. meter to to to to to to to to to to to to to | | | per Dam | 550,000 | 6,000,000 | 7,000,000 | 8,500,000 | 9,200,000 | 10,500,000 | 15,000,000 |
| a. Rubble concrete seawall with wooden piles 11. Office Buildings a. Construction per sq. 3,300 3,600 4,000 4,600 5,600 6,000 8,000 meter to to to to to to to to to to to to to | | | -do- | 34,100 | 38,000 | 45,000 | 63,000 | 69,000 | 90,000 | 110,000 |
| a. Rubble concrete seawall with wooden piles 11. Office Buildings a. Construction per sq. 3,300 3,600 4,000 4,600 5,600 6,000 8,000 meter to to to to to to to to to to to to to | | | | : | | | | | | |
| a. Rubble concrete seawall with wooden piles 11. Office Buildings a. Construction per sq. 3,300 3,600 4,000 4,600 5,000 6,000 8,000 meter to to to to to to to to to to to to to | | I. Shore Protection | | | | | | | 1. | |
| Wooden piles | | a. Rubble concrete seawall with | perLM | 7,200 | 7,900 | 8,500 | 9,40 | 10,00 | 0 12,000 | 17,000 |
| a Construction per sq. 3,300 3,600 4,000 4,600 5,000 6,000 8,000 meter to to to to to to to | | | | | | | | | | |
| a Construction per sq. 3,300 3,000 4,000 to to to to | | II. Office Buildings | | | | | | , , | | |
| meter to to to to to to | ١ | a Construction | per sq. | 3,300 | 3,600 | 4,00 | 0 4,60 | 0 5,00 | 6,000 | 1 |
| | - | a. Contra os as i | 1 ' | 4,400 | | | ~ | | | ·, ·· |





As of 1994 ESTIMATE COST PER KILOMETERS

| National Roads | Cost |
|----------------------------------|-----------------------------|
| a) Concreting | 3.5 - P 5.0 Million |
| b) Asphalt | 3.2 - 3.5 Million |
| c) Asphalt overlay | 2.5 Million |
| d) Gravel | 1 Million to 1.5 Million |
| Provincial Roads | Cost |
| a) Concreting | 3.5 - P 4 Million |
| b) Asphalt | 3 - 3.5 Million |
| c) Asphalt overlay | 2 Million |
| d) Gravel | 800,000 to 1 Million |
| | |
| Barangay Roads | Cost |
| a) Concreting | 2.3 - 3 Million |
| b) Asphalt | 3 - 3.5 Million |
| c) Asphalt overlay | 2 Million |
| d) Gravel | 500,000 to 600,000 |
| | |
| | |
| Bridges | Cost |
| a) RCDG | |
| (Rainforce Concrete Deck Girder) | 120,000 / lm. (Liner Meter) |
| b) Pre-stressed | 150,000 / lm. |
| c) Timber Trestle | 90,000 / lm. |
| d) Bailey Bridge | 90,000 / lm. |
| e) Pre-Cast | 100,000 / lm. |



DATABOOK GIS DATA DICTIONARY

(DB.6)

DATABOOK (DB.6)

GIS DATA DICTIONARY

TABLE OF CONTENTS

| rovincial and Municipal/City Boundary Delineation |
|--|
| arangay Boundary Delinetaion |
| oad Network Delineation |
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37

PROVINCIAL AND MUNICIPAL/CITY BOUNDARY DELINEATION



ATTRIBUTE DATA DESCRIPTION:

DATA INFORMATION SHEET

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| in the area covered. |
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| |

- FILENAME: NEWTOWN
- FILESIZE: 483.3 KB
- FEATURE REPRESENTATION: Polygons, lines, annotations
- SOFTWARE USED: PC Arcinfo was used to build the data base while AutoCad was used to digitize graphic feature.
- EQUIPMENT USED: The Kurta XLC (36" x 48") with resolution of up to 1279 points per inch and accuracy of ±0.01 inch mm was used to digitize the layer.
- DATE CREATED: 1992
- PRODUCER: The MPE-PMO of the Department of Public Works and Highways, and Louis Berger International, Inc.
- PROPRIETOR: The MPR-PMO of the DPWH which took over the function of the MPE-PMO.
- AVAILABILITY: The data may be made available at the discretion of the Program Director.
 AREA COVERAGE: The data covers the province of Pampanga and portions of the provinces
 - AREA COVERAGE: The data covers the province of Pampanga and portions of the provinces of Taxlac, Zambales, Nueva Ecija, Bulacan and Bataan, This area corresponds to the features delineated in the 18 Quad Sheets from coordinates 119°45° longitude 14°45° latitude to 121°00° longitude 15°45° latitude.
- DIGITIZING PROCEDURE: The data was digitized from the administrative boundaries as defined in the quad maps. The data in its original form was digitized using an assumed datum. The coverage, however, was later transformed to UTM Zone 51 coordinate system.

ij

 SOURCE(S) OF DATA: Provincial and Municipal/city boundaries were based on the delineations from the 1:50,000 scale USDMA maps revised in 1987 and NAMRIA maps updated in 1977.

ARC ATTRIBUTE TABLE (AAT)

| XI. | CINE TO | Z | : | o , | Numeric code indicating administrative boundary levels each arc represents. The values are as follows: |
|-----|-----------|---|----|------------|---|
| | | | | | 1 - Provincial Boundary 2 - Municipal/City Boundary 4 - Shoreline 5 - Ouad Boundary |
| 9 | DXF_LAYER | Ų | 01 | | Determines the ACAD layer where the feature will be placed when transferred to a CAD station. Also provides |
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POLYGON ATTRIBUTE TABLE (PAT)

| A user assigned code based on the first two digits of the zip code. | A user assigned code based on the town's postal zip code. |
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| z | z |
| PROV_CODE | TOWN CODE |

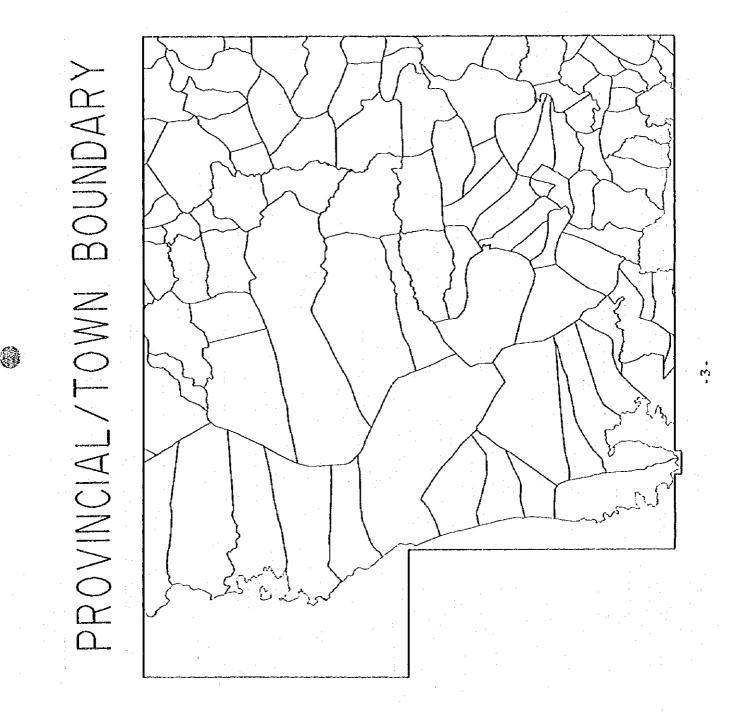
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Name of province

25 Name of town/city

PROV







BARANGAY BOUNDARY DELINEATION











DATA INFORMATION SHEET

ATTRIBUTE DATA DESCRIPTION:

| COVERAGE NAME: BARANGAY BOUNDARY DELINEATION | ARC ATTRIBUTE TABLE (AAT) | ILE (AAT) |
|--|---------------------------|-----------|
| DESCRIPTION: This layer contains the delineation of barangay boundaries in each town and cities in the area covered and can be linked to an external database of population census through relate item "NSCCODE". Not all barangays, however, were accounted for in the source maps and their approximate locations can not be determined from other sources available at the time | LINE_ID | Z |
| of the data draw creation | | |

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| ė. | SOFTWARE USED: PC Arcinfo was used to build the data base while AutoCad was used t | Ü | ጀ | Arcinfo | £3. | posn | ð. S | nild | he de | ed en | Se ≰ | ie | AutoCad | W.SS | rseg. | 2 |
|----|--|---------|----|---------|-----|------|---------|------|-------|-------|------|----|---------|------|-------|---|
| | digitize graphic feature | feature | e; | | | | | | | | | | | | | |

EQUIPMENT USED: The Kurta XLC (36" x 48") with resolution of up to 1279 points per inch and accuracy of ±0.01 inch mm was used to digitize the layer.

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| e MPE-PMO | al. Inc. |
| Ê | Ö |
| PRODUCER: The MPE-PMO of the Department of Public Works and Highways, and Louis | Berger International |
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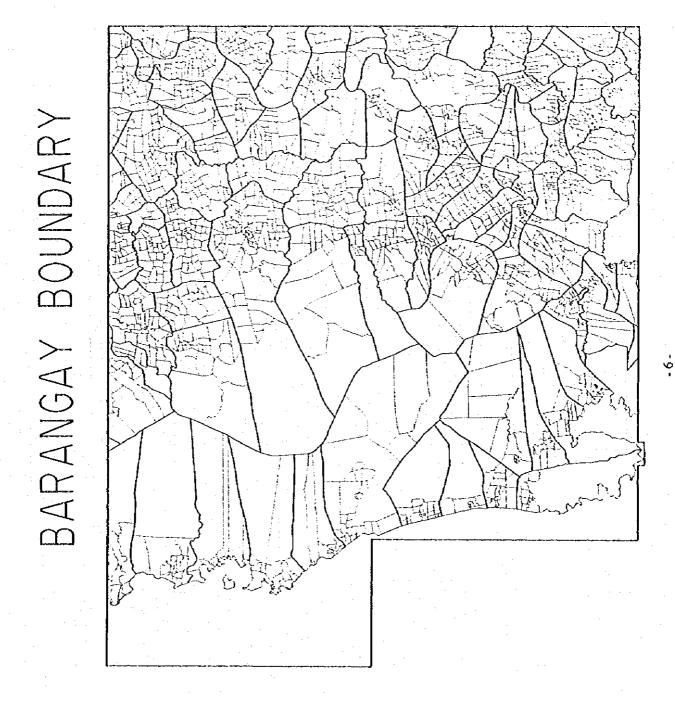
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| Name of province Name of town/city Name of barangay NSO assigned code which was adopted when they were made available. | | 8 11 8 ∞ | ບ່ <u>ບ</u> ີບີບ | PROV TOWN BRGYNAME NSOCODE | tor. ars of the continue to t |
|--|---|-----------------------|------------------|-------------------------------------|--|
| Name of province | | 8 | ပ | PROV | ö. |
| A user assigned code with the first 4- digits based on TOWN_CODE and the rest generated by the computer. | 0 | ~ | Z | BRGY_CODE | ΜO |
| A user assigned code based on the town's postal zip code. | 0 | 4 | z | TOWN_CODE | -ouis |
| A user assigned code based on the first two digits of the zip code. | 0 | 11 | Z | PROV_CODE | |
| | | PAT) | TABLE (| POLYGON ATTRIBUTE TABLE (PAT) | g g |
| Determines the ACAD layer where the feature will be placed when transferred to a CAD station. Also provides textual description to the codes listed above. | | . 61 | - U | DXF_LAYER | 2 72 |
| Provincial Boundary Municipal/City Boundary Barangay Boundary Shoreline Quad Boundary | | | | | time |
| Numeric code indicating administrative boundary levels each are represents. The values are as follows: | 0 | *** *** | Z | LINE_ID | pta sage |



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ROAD NETWORK DELINEATION



DATA INFORMATION SHEET

ATTRIBUTE DATA DESCRIPTION:

ARC ATTRIBUTE TABLE (AAT)

| OVERAGE NAME: ROAD NETWORK DELINEATION | ESCRIPTION: This layer contains the delineation of roads within the area covered. |
|--|---|
| ΧΥX | ξ |
| COVERAGE | DESCRIPTION |
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| RDUTM | |
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| FILENAME: | |
| က် | |

FILESIZE: 1.5 MB

. FEATURE REPRESENTATION: Lines

SOFTWARE USED: PC Arcinfo was used to build the data base while AutoCad was used to digitize graphic feature.

EQUIPMENT USED: The Kurta XLC (36" x 48") with resolution of up to 1279 points per inch and accuracy of ±0.01 inch mm was used to digitize the layer.

DATE CREATED: 1992

PRODUCER: The MPE-PMO of the Department of Public Works and Highways, and Louis Berger International, Inc.

10. PROPRIETOR: The MPR-PMO of the DPWH which took over the function of the MPE-PMO.

11. AVAILABILITY: The data may be made available at the discretion of the Program Director.

12. AREA COVERAGE: The data covers the province of Pampanga and portions of the provinces

AREA COVERAGE: The data covers the province of Punpanga and portions of the provinces of Tarlac, Zambales, Nueva Ecija, Bulacan and Bataan. This area corresponds to the features defineated in the 18 Quad Sheets from coordinates 119°45' longitude 14°45' latitude to 121°00' longitude 15°45' latitude.

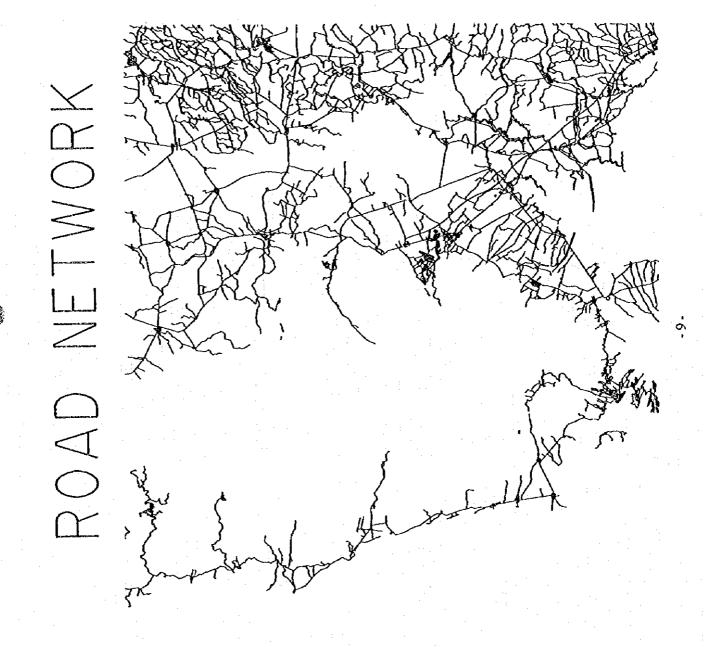
DIGITIZING PROCEDURE: The data was digitized from the roads and highways delineation

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DIGITIZING PROCEDURE: The data was digitized from the roads and highways delineation as defined in the quad mays. The data in its original form was digitized using an assumed datum. The coverage, however, was later transformed to UTM Zone 51 coordinate system. SOURCE(S) OF DATA: Roads and highways delineation were taken from the 1:50,000 scale USDMA maps revised in 1987 and NAMRIA maps updated in 1977.

| | CLASS | z | - | 。· | Numeric follows: | codes | Numeric codes to determine road classification as follows: |
|---|-----------|----------------|---|----|------------------------------|---------------------------------|--|
| | | | | | _ | | Fair or dry weather, loose surface |
| | | | | | 17 | | All weather, loose or light surface, one lane wide |
| : | | | | | • | | All weather, hard surface, one lane wide |
| ٠ | | | | | · 4 | • | All weather, loose or light surface, 2 lanes wide |
| | | | | | ٧. | | All weather, hard surface, 2 or more lanes wide |
| | | | | | 9 | | All weather, hard surface, divided highway with median strip |
| | RDCLASS | z | | 0 | Numeri the area | ic codes | Numeric codes use to identify the major road arteries in the area. Values are as follows: |
| | | | | | r3 | 1 + | Major arteries Others |
| | DXF_LAYER | U _e | 9 | | Definer when t textual | the AC ransferra descript | Defines the ACAD layer where feature will be placed when transferred to a CAD station. It also provides textual description to the RDCLASS codes listed above. |



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