

REPUBLIC OF THE PHILIPPINES

DEPARTMENT OF AGRARIAN REFORM  
Diliman, Quezon City

LAND BANK OF THE PHILIPPINES  
Makati, Metro Manila

JOINT DAR-LBP ADMINISTRATIVE ORDER NO. 03  
Series of 1994

SUBJECT : POLICY GUIDELINES AND PROCEDURES GOVERNING THE ACQUISITION AND DISTRIBUTION OF AGRICULTURAL LANDS Affected BY THE MT. PINATUBO ERUPTIONS

I. PREFATORY STATEMENT

It has been determined that the effects of volcanic eruptions of Mount Pinatubo have drastically affected our agrarian reform program in terms of land acquisition and distribution, landowners compensation and farmers amortization.

Based on the information provided by the Philippine Institute of Volcanology and Seismology (PHIVOLCS) approximately 6.65 billion cubic meters of pyroclastic flow were deposited on the slopes of Mt. Pinatubo since it first erupted on June 12, 1991. Out of these pyroclastic deposits, the PHIVOLCS has estimated that 50% will be washed away from Mt. Pinatubo's slopes for over a period of ten (10) years.

As of 1992, the PHIVOLCS has observed that 37% or 1.32 billion cubic meters of pyroclastic deposits had flowed down the Mt. Pinatubo slopes and settled on low lying areas of almost all the provinces in Region III and Pangasinan in Region I, and it is estimated that this will further increase in the succeeding years.

It has been noted that there is no definite pattern in the direction of flow of lahar such that those formerly unaffected lands became depositories thereof, thus affecting their utilization and productivity as well as their suitability for agricultural activity.

In this connection, the Department of Agrarian Reform (DAR) and the Land Bank of the Philippines (LBP), realizing the need to address these problems, have formulated these policy guidelines and procedures on the land acquisition, distribution, landowners compensation, as well as the concomitant obligation of the agrarian reform beneficiaries to pay for the lands awarded to them.

II. COVERAGE

These rules shall cover all private agricultural lands subject of Operation Land Transfer under PD 27/E.O. 228, Voluntary Offer to Sell (VOS) and Compulsory Acquisition

46. /64

(CA) under RA 6657 and all other agricultural lands transferred to the DAR pursuant to EO 407, as amended, which are affected by the Mt. Pinatubo eruptions.

### III. CATEGORIES

Agricultural lands affected by the Mt. Pinatubo eruptions are classified into three (3) categories based on the recent NEDA Regional Office No. 3 Geographic Information System (GIS) Database and on the Pinatubo Volcano Lahar Hazard Map, and on actual ocular inspection.

#### 1. Category I (actually affected)

These are agricultural lands which are covered with lahar and pyroclastic deposits, including those areas which have become silted, eroded or continuously flooded for an indefinite period of time, as a result of the Mt. Pinatubo eruptions.

#### 2. Category II (not yet affected)

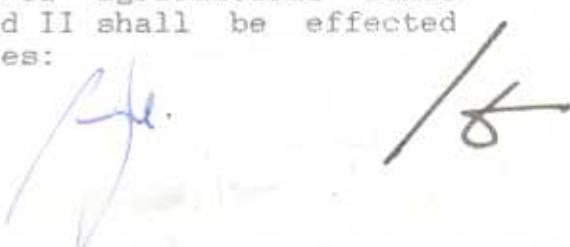
These are agricultural lands not falling under Category I as described above but have the possibility of being actually affected as appearing on the aforementioned map.

#### 3. Category III (lands covered by ashfall)

These are agricultural lands actually covered or affected by ashfall but the same remain to be productive.

### IV. POLICY

1. The acquisition and distribution of agricultural lands classified under Categories I & II shall be deferred until such time that the Department of Agrarian Reform, Land Bank of the Philippines and Department of Agriculture (DA) in coordination with other competent authorities shall have determined their suitability to agricultural production or they shall have been declared as no longer within the endangered area.
2. As a general rule, agricultural lands classified under Category III shall be acquired and distributed.
3. The compensation of landowners of agricultural lands falling under Categories I and II shall be effected under the following circumstances:

A photograph of two handwritten signatures in black ink. The signature on the left appears to be "A. G." and the signature on the right appears to be "J. S."/>

3.1 Claims approved by LBP

3.1.1 The landowner has executed a Deed of Assignment, Warranty and Undertaking (DAWU) on or before the issuance of this Order; or

3.1.2 Transfer Certificate of Title was already registered in the name of RP on or before the issuance of this Order; or

3.1.3 Partial payment was already effected.

3.2 Emancipation Patents/Certificates of Land Ownership Award registered on or before June 12, 1991 regardless of whether or not the claim folder is with the Land Bank of the Philippines.

4. The compensation of landowners of lands falling under Category III shall continue.
5. Payment of amortization is the major obligation and responsibility of a farmer beneficiary under the agrarian reform program. However, said payment shall be deferred if subject landholding falls under Category I until such time that the land becomes productive again, without prejudice to the farmer's voluntary payment of amortization. The deferment of payment shall not take effect until after the farmer has notified Land Bank in writing of his intention of deferring payment and the same is approved by the Land Bank. In case of direct payment scheme, the amortization payment shall likewise be deferred. In such case, it shall be the responsibility of the farmer-beneficiary concerned to notify the landowner in writing with the assistance of DAR of his intention to defer payment pursuant to this Order. (Refer to Annex "A").
6. Under Categories II and III, the farmer shall continue to pay the amortization until the subject landholding has been determined to be within Category I in which case, the notice of deferment and approval thereof shall be required as discussed in the preceding policy.

V. OPERATING PROCEDURES

1. In addition to the usual land acquisition and distribution documentation, an ocular inspection report shall be jointly signed and submitted by DAR, LBP, DA and BARC representatives using the annex form to determine, among others, the actual category of the landholding subject of acquisition and distribution pursuant to Item No. III. (Refer to Annex "B").

Bk. /6

2. A copy of the ocular inspection report shall be posted for at least ten (10) days in the barangay hall and municipal hall where the property is located for the purpose of informing the affected landowners, farmer beneficiaries and other interested parties provided that non-resident landowner shall be notified in writing of the aforesaid ocular inspection report.
3. Regarding the farmer beneficiary's request for the deferment of amortization pursuant to Section III-5 hereof, the LBP shall immediately act on the same upon receipt thereof and inform the farmer beneficiary concerned of the action taken thereon.

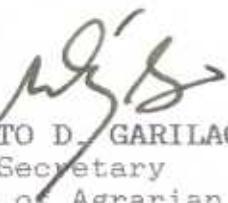
#### VI. PERIODIC REVIEW

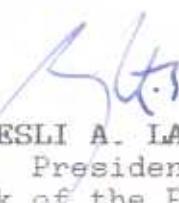
These policy guidelines shall be subject to periodic review as the need arises.

#### VII. EFFECTIVITY

This Order shall take effect ten (10) days after its publication in two (2) national newspapers of general circulation.

Diliman, Quezon City, March 4, 1994.

  
ERNESTO D. GARILAO  
Secretary  
Department of Agrarian Reform

  
JESLI A. LAPUS  
President  
Land Bank of the Philippines

  
Annexes (Forms):

"A" - Request for Deferment of Land Amortization  
"B" - Ocular Inspection Report

Published in Two (2) Daily Newspapers:

1. MALAYA
2. PHILIPPINE TIMES JOURNAL



Republic of the Philippines

## DEPARTMENT of AGRARIAN REFORM

### C E R T I F I C A T I O N

This is to certify that JOINT DAR-LBP ADMINISTRATIVE ORDER NO. 3, SERIES OF 1994 entitled "POLICY GUIDELINES AND PROCEDURES GOVERNING THE ACQUISITION AND DISTRIBUTION OF AGRICULTURAL LANDS AFFECTED BY THE MT. PINATUBO ERUPTIONS" was published in MALAYA and PHILIPPINE TIMES JOURNAL on 18 MARCH 1994 and the date of effectivity is MARCH 28, 1994.

*JAC*  
JOSE AGUSTIN C. CUENCO  
Director, PAS

ANNEX "A"

The Department Manager  
Field Office  
Land Bank of the Philippines

Address \_\_\_\_\_

Date \_\_\_\_\_

Subject: Request for Deferment of Land Amortization

Sir/Madam:

This refers to my farmholding covered by CLT/EP/CLOA No. \_\_\_\_\_, involving \_\_\_\_\_ hectares which is a portion of the \_\_\_\_\_ Estate located at \_\_\_\_\_.

Please be informed that subject farmholding was adversely affected by the Mt. Pinatubo eruptions which is at present (check appropriate box/es)

- covered with lahar and pyroclastic deposits  
 silted  
 eroded  
 continuously flooded for an indefinite period of time

Additional Remarks: \_\_\_\_\_

In this regard, may I request for the deferment of the land amortization of said farmholding until such time that the same shall become productive again, in which case I shall inform LBP accordingly.

Very truly yours,

Agrarian Reform Beneficiary

Copy furnished:

DAR Municipal Office  
DAR Provincial Office

## ANNEX "B"

Page 1 of 3

**OCULAR INSPECTION REPORT**  
**(For Mt. Pinatubo Affected Areas)**

**I. BASIC DATA****A. Landowner**

Name \_\_\_\_\_  
 Postal Address \_\_\_\_\_

**B. Land**

Location \_\_\_\_\_  
 \_\_\_\_\_

		Area in hectares for:	
OCT/TCT No.	_____	Acquisition	
Tax Dec. No.	_____	Covered by	
Survey No.	_____	PD 27/EO 228	
Total Area (Ha)	_____	Preferred FB	
		Retention	
		Subsequent	
		Acquisition	
		Others	
		Total Area	=====

**C. Claim Folder (CF)**

1. With LBP - Claim No. \_\_\_\_\_  
 2. With DAR - Control No. \_\_\_\_\_ (if any)

**II. FINDINGS****Category I**

These are agricultural lands covered with lahar, pyroclastic deposits, including those areas which have become silted, eroded or continuously flooded for an indefinite period of time.

**Category II**

These are agricultural lands not falling under Category I as described above but have the possibility of being actually affected as appearing on the Pinatubo Volcano Lahar Hazard Map and on actual ocular inspection.

## Category III

These are agricultural lands actually affected by ashfall but the same remain to be productive.

## A. Affected Areas (Hectares)

	Per Title	For Acquisition
Category I	_____	_____
Category II	_____	_____
Category III	_____	_____
Total	=====	=====

## B. Land Use/s (Hectares)

Land Use/s	Per Title		For Acquisition	
	Prior	Present	Prior	Present
Total				

## C. Farmer Beneficiaries

Name of FBs	Prior		Present		Remarks
	Landuse	Area(Ha)	Landuse	Area(Ha)	
Total					

## D. Findings on Suitability to Agriculture

III. COMMENTS/REMARKS/RECOMMENDATIONS

We hereby certify that the information/data in this report are based on the ocular inspection of subject property conducted on \_\_\_\_\_ and actual examination of pertinent documents, and that the same are true and correct to the best of our knowledge.

---

DAR Representative

---

LBP Representative

---

BARC Representative

---

DA Representative

---

IMPORTANT: A copy of this report shall be posted for at least ten (10) days in the barangay hall and municipal hall where the property is located.

NOTICE OF DEFERMENT TO LANDOWNER

\_\_\_\_\_ Date \_\_\_\_\_

SUBJECT : Landowner \_\_\_\_\_  
TCT No. \_\_\_\_\_  
Area (Ha) \_\_\_\_\_  
Location \_\_\_\_\_  
Claim No. \_\_\_\_\_

Dear Sir/Madam:

Please be informed that per our ocular inspection with DAR, your landholding was already adversely affected by the Mt. Pinatubo eruptions.

In this regard, the release of payment of your landholding will be deferred until such time that the land will be productive and declared safe for acquisition.

Very truly yours,

\_\_\_\_\_ LBP Representative

Joint DAR-LBP A/C # 03, 2'94

SUMMARY OF LANDHOLDINGS/LANDOWNERS WITH  
EP ISSUED BUT WITHOUT PAYMENT

REGION III

PROVINCE	HO. : L.O.	HO. : TITLES	HO. : PARCEL	HO. : FB'S	AREA : (HAS.)
BATAAN	9 :	28 :	134	134 :	145.4899 :
BULACAN	254 :	255 :	299	2700 :	3761.7668 :
N.E. SOUTH	410 :	502 :	3046	2473 :	3950.4444 :
N.E. NORTH	146 :	177 :	1550	1107 :	1806.7286 :
PAHPAUGA	11 :	13 :	155	148 :	187.8805 } ↵
TARLAC	206 :	236 :	2769	:	2534.2038 } ↵
ZAMBALES	16 :	26 :	110	91 :	93.5359 } ↵
TOTAL	1052 :	1237 :	8063	6653 :	12480.1699 :

From: PROD Anne Bernardo  
26 October 1993

**ESTIMATE OF VOLUME OF LAHAR MATERIAL**

*Based on the estimation method of Pierson, and others (1992), and  
mapping by the PHIVOLCS Lahar Monitoring Group*

IV. Based on estimates of the volume of pyroclastic flow deposits by Daligdig, Besana and Punongbayan (1991).  
Pyroclastic flow deposits at O'Donnell recalculated 6/93 (Detos Reyes, et al, 1993).

WATERSHED	VOLUME OF P.F. DEPOSITS (M cu. m)	VOLUME OF ERODIBLE P.F. DEPOSITS (M cu. m)	ERODIBLE PRE-ERUPTION DEPOSITS (M cu. m)	TOTAL LAHAR DEPOSITS (M cu. m)	1991		1992		TOTAL LAHAR DEPOSITS (M cu. m)		REMAINING ERODIBLE MATERIALS (M cu. m)		
					%	DEPOSITS (M cu. m)	%	DEPOSITS (M cu. m)	%	DEPOSITS (M cu. m)	%	DEPOSITS (M cu. m)	%
Marella-Sto. Tomas	1300	650	65	715	28	194	27	394	55	321	45	1276	75
Balin Baquero-Bucao	3100	1550	155	1705	200	12	229	13	429	25	276	70	
O'Donnell/Bangut-Tarlac	600	350	36	395	100	25	20	5	120	30	254	52	
Sacobia-Bamban/Abacan	1100	440	44	484	160	33	70	14	230	48	132	60	
Pasig-Potrero	500	200	20	220	50	23	38	17	88	40	Negligible	0	
Porac-Gumain	50	50	10	60	60	100	Negligible	0	60	100	Negligible	0	
<b>TOTAL</b>	<b>6650</b>	<b>3250</b>	<b>330</b>	<b>3580</b>	<b>770</b>	<b>22</b>	<b>551</b>	<b>15</b>	<b>1321</b>	<b>37</b>	<b>2259</b>	<b>63</b>	

**AFFECTED/THREATENED BARANGAYS, POPULATION AND HOUSEHOLDS  
PER MUNICIPALITY**

(Estimates based on NRO-3 GIS Database and on Pinatubo Volcano Lahar Hazard Map)  
September 17, 1992

Province/ Municipality	Affected Barangays			Affected Areas (in Hectares)							
	Number	1990 Population	1990 Number of Households	Prone to Bank Erosion	Prone to Lahar Deposition	Prone to Flooding/ Siltation	Covered by 1991 Pyroclastic Deposit	Covered by Remobilized Ashfall	Pinatubo Crater	Pinatubo Lake	Total
PINATUBO STUDY AREA	595	1,351,976	239,605	1,348.41	76,947.65	37,525.63	16,603.11	2,564.75	447.56	584.05	136,021.16
IATAAN	27	42,676	7,904	0.00	35.50	328.51	0.00	0.00	0.00	0.00	364.01
DINALUPIHAN	11	12,222	2,120	0.00	34.42	0.56	0.00	0.00	0.00	0.00	34.98
HERMOSA	2	5,139	892	0.00	1.08	35.65	0.00	0.00	0.00	0.00	36.73
ORANI	14	25,315	4,892	0.00	0.00	292.30	0.00	0.00	0.00	0.00	292.30
JULACAN	5	12,185	2,207	0.00	0.00	71.95	0.00	0.00	0.00	0.00	71.95
CALUMPIT	5	12,185	2,207	0.00	0.00	71.95	0.00	0.00	0.00	0.00	71.95
NUEVA ECIJA	18	30,058	6,454	0.00	2,287.60	4,518.99	0.00	0.00	0.00	0.00	6,806.59
CABIAO	5	10,571	1,740	0.00	44.68	2,640.06	0.00	0.00	0.00	0.00	2,684.74
SAN ANTONIO	6	13,221	2,474	0.00	2,044.22	1,878.93	0.00	0.00	0.00	0.00	3,923.15
ZARAGOSA	5	6,266	1,240	0.00	198.70	0.00	0.00	0.00	0.00	0.00	198.70
PAMPANGA	328	831,184	143,108	1,348.41	21,538.80	21,360.45	3,094.83	1,430.30	7.64	0.00	48,780.43
ANGELES CITY	18	97,962	18,815	718.31	0.00	394.59	366.72	0.00	0.00	0.00	1,479.62
APALIT	4	18,752	3,286	0.00	0.00	157.89	0.00	0.00	0.00	0.00	157.89
ARAYAT	18	39,180	6,490	0.00	0.00	664.78	0.00	0.00	0.00	0.00	664.78
BACOLOR	19	64,512	11,000	0.00	4,828.51	255.54	0.00	0.00	0.00	0.00	5,084.05
CANDABA	10	18,405	2,997	0.00	0.00	1,790.73	0.00	0.00	0.00	0.00	1,790.73
FLORIDABLANCA	23	46,323	8,072	25.54	1,495.19	1,030.20	8.80	313.73	0.00	0.00	2,873.46
GUAGUA	25	69,835	12,053	0.00	1,935.53	283.00	0.00	0.00	0.00	0.00	2,218.53
LUBAO	25	64,495	11,027	0.00	543.83	2,361.13	0.00	0.00	0.00	0.00	2,904.96
MABALACAT	12	20,375	5,001	0.32	2,828.31	0.00	54.44	122.86	0.00	0.00	3,005.93
MACABEBE	7	10,331	1,747	0.00	58.90	429.81	0.00	0.00	0.00	0.00	488.71
MAGALANG	7	13,286	2,195	0.00	2,950.30	0.03	0.00	0.00	0.00	0.00	2,950.33
MASANTOL	16	19,872	3,352	0.00	0.00	663.14	0.00	0.00	0.00	0.00	663.14
MEXICO	39	65,694	10,616	358.37	1,851.10	3,689.28	0.00	0.00	0.00	0.00	5,898.75
MINALIN	14	31,193	5,054	0.00	286.14	1,807.69	0.00	0.00	0.00	0.00	2,093.83
PORAC	23	48,534	8,259	245.87	1,084.00	169.46	2,664.87	993.71	7.64	0.00	5,165.55
SAN FERNANDO	9	57,426	10,083	0.00	157.97	1,440.29	0.00	0.00	0.00	0.00	1,598.26
SAN LUIS	12	18,342	2,955	0.00	28.66	776.06	0.00	0.00	0.00	0.00	804.72
SAN SIMON	7	14,477	2,381	0.00	158.77	440.24	0.00	0.00	0.00	0.00	599.01
SANTA ANA	10	21,457	3,426	0.00	266.66	1,676.54	0.00	0.00	0.00	0.00	1,943.20
SANTA RITA	10	28,296	4,774	0.00	1,897.87	0.00	0.00	0.00	0.00	0.00	1,897.87
SANTO TOMAS	7	33,309	6,039	0.00	0.00	1,218.54	0.00	0.00	0.00	0.00	1,218.54
SASMUAN	13	21,148	3,486	0.00	1,167.06	2,111.51	0.00	0.00	0.00	0.00	3,278.57
TARLAC	100	250,065	42,735	0.00	29,084.14	0.00	534.35	122.99	0.00	0.00	29,741.48
BAMBAN	13	33,452	5,796	0.00	2,057.59	0.00	468.87	122.99	0.00	0.00	2,649.45
CAPAS	16	54,350	9,327	0.00	7,460.02	0.00	65.48	0.00	0.00	0.00	7,525.50
CONCEPCION	45	103,146	17,092	0.00	15,551.29	0.00	0.00	0.00	0.00	0.00	15,551.29
LA PAZ	8	17,443	3,101	0.00	928.66	0.00	0.00	0.00	0.00	0.00	928.66
TARLAC	18	41,674	7,419	0.00	3,086.58	0.00	0.00	0.00	0.00	0.00	3,086.58
ZAMBALES	119	185,808	38,197	0.00	24,001.61	11,245.73	12,973.93	1,011.46	439.92	584.05	50,256.70
BOTOLAN	28	33,094	6,356	0.00	7,583.61	2,264.48	11,886.67	11.15	439.92	30.86	22,216.69
CABANGAN	6	4,355	889	0.00	108.71	0.00	0.00	0.00	0.00	0.00	108.71
CASTILLEJOS	15	26,753	5,453	0.00	2,307.50	2,095.19	0.00	0.00	0.00	0.00	4,402.69
IBA	6	11,025	2,158	0.00	0.00	254.10	0.00	0.00	0.00	0.00	254.10
SAN ANTONIO	14	26,944	5,800	0.00	2,451.26	1,724.01	0.00	0.00	0.00	0.00	4,175.27
SAN FELIPE	10	14,065	3,017	0.00	1,775.40	1,166.36	0.00	357.96	0.00	0.00	3,299.72
SAN MARCELINO	18	36,598	7,568	0.00	5,784.05	1,301.55	1,087.26	642.35	0.00	553.19	9,368.40
SAN NARCISO	18	22,891	4,893	0.00	3,991.08	2,144.42	0.00	0.00	0.00	0.00	6,135.50
SUBIC	4	10,083	2,053	0.00	0.00	295.62	0.00	0.00	0.00	0.00	295.62

Note: Population and Household figures were taken from the 1990 Census of Population by the National Statistics Office

List of Barays In The Pinalubo Volcano Lahar Hazard I (Quadrant 1)

(Note: Estimates based on NRO III GIS)

Province/Municipality Barangay (Number/Name)	1990 Population	1990 Number of Households	Estimated Area of Barangay (in Hectares)	Affected Areas (in Hectares)								Total
				Prone to Bank Erosion	Prone to Lahar Deposition	Prone to Flooding/ Siltation	Covered by 1991 Pyroclastic Deposit	Covered by Remobilized Ashfall	Pinalubo Crater	Pinalubo Lake		
<b>FLORIDABLANCA, PAMPANGA</b>												
21 PALMAYO	687	119	516.33	0.00	0.00	0.00	0.00	48.78	0.00	0.00	0.00	48.78
22 PANDAGUIRIO	947	156	2,552.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 POBLACION	3294	586	192.60	7.89	0.00	0.00	0.00	30.54	0.00	0.00	0.00	384.43
24 SAN ANTONIO	2108	332	47.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 SAN ISIDRO	955	161	217.84	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.50
26 SAN JOSE	4422	766	184.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27 SAN NICOLAS	3655	659	270.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 SAN PEDRO	2474	430	437.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29 SAN RAMON (3)	1330	251	140.17	0.00	21.30	50.46	0.00	0.00	0.00	0.00	0.00	71.76
30 SAN ROCHE	1472	238	240.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31 SOLIB	3584	582	340.20	0.00	0.24	15.75	0.00	26.05	0.00	0.00	0.00	42.04
32 STA. MONICA	1772	295	786.79	0.00	127.07	140.02	0.00	0.00	0.00	0.00	0.00	267.89
33 VALDEZ	4351	754	731.49	0.00	0.00	0.00	0.00	15.82	0.00	0.00	0.00	15.82
<b>PORAC, PAMPANGA</b>												
1 BABO PANGULO	68,215	11,595	30,880.24	245.07	1,084.00	169.46	2,664.87	993.71	7.64	0.00	5,165.55	
2 BABO SACAN	1744	278	261.44	0.00	0.00	0.00	0.00	32.24	0.00	0.00	0.00	32.24
3 BALUBAD	2015	459	137.01	0.00	0.00	47.55	0.00	13.79	0.00	0.00	0.00	61.34
4 CALZADANG BAYU	1490	250	385.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 CAMIAS	3585	577	628.43	0.00	47.84	0.09	0.00	0.00	0.00	0.00	0.00	47.84
6 CANGATBA	3022	485	358.05	0.00	0.00	0.00	0.00	21.87	0.00	0.00	0.00	21.87
7 DIAZ	258	66	122.87	0.00	0.00	9.78	0.00	11.65	0.00	0.00	0.00	21.43
8 HACIENDA DOLORES	3550	613	1,815.62	112.14	0.00	0.00	73.46	80.21	0.00	0.00	0.00	205.81
9 INARARO	492	120	124.90	0.00	0.00	16.84	0.00	16.02	0.00	0.00	0.00	34.89
10 JALUNO	2377	382	124.31	0.00	0.00	9.75	0.00	30.68	0.00	0.00	0.00	40.43
11 MANCATIAN	3423	604	501.71	5.47	40.29	0.00	0.00	58.17	0.00	0.00	0.00	103.93
12 MANIBAUG LIBUTAD	3697	683	418.62	67.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.03
13 MANIBAUG PARALAYA	5113	900	952.64	61.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.23
14 MANIBAUG PASIO	5282	876	128.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15 MANUAL	49	14	88.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16 MITLA PROPER	1795	287	825.97	0.00	502.85	0.00	0.00	0.00	0.00	0.00	0.00	502.85
17 PALAT	1803	295	156.72	0.00	0.00	17.55	0.00	58.81	0.00	0.00	0.00	76.47
18 PIAS	1782	272	407.79	0.00	0.00	7.29	0.00	16.81	0.00	0.00	0.00	24.01
19 PIO	2398	399	165.02	0.00	0.00	1.50	0.00	53.01	0.00	0.00	0.00	55.19
20 PLANAS	1842	313	534.34	0.00	0.00	2.55	0.00	61.85	0.00	0.00	0.00	64.40
21 POBLACION	2145	354	111.48	0.00	0.00	0.00	0.00	20.78	0.00	0.00	0.00	20.78
22 PULUNG SANTOL	3768	654	698.50	0.00	56.71	29.66	0.00	21.71	0.00	0.00	0.00	108.98
23 SAM	501	60	573.14	0.00	0.00	0.66	0.00	79.39	0.00	0.00	0.00	80.07
24 SAN JOSE MITLA	1279	217	591.18	0.00	436.31	0.00	0.00	0.00	0.00	0.00	0.00	436.31
25 SAPANO BULUAN	3057	490	450.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26 SAPANO UWAK (AETAS)	324	67	8,735.08	0.00	0.00	0.00	2,301.60	21.57	7.64	0.00	0.00	2,330.81
27 SINURA	1072	178	249.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 STA. CRUZ	8723	1522	780.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29 VILLA MARIA (AETAS)	232	53	10,313.64	0.00	0.00	0.00	289.81	304.57	0.00	0.00	0.00	674.30
<b>CASTILLEJOS, ZAMBALES</b>												
1 UNKNOWN	26,753	5,453	9,644.94	0.00	2,307.50	2,005.10	0.00	0.00	0.00	0.00	0.00	4,402.63
2 BALAYBAY	1590	329	310.05	0.00	16.01	131.89	0.00	0.00	0.00	0.00	0.00	1,552.81
3 BUENAVISTA	424	91	216.17	0.00	158.70	57.46	0.00	0.00	0.00	0.00	0.00	147.90
4 DEL PILAR	3522	682	196.10	0.00	41.95	85.12	0.00	0.00	0.00	0.00	0.00	215.16
5 LOOC	870	171	1,403.53	0.00	256.87	250.35	0.00	0.00	0.00	0.00	0.00	129.07
6 MAGSAYSAY	2427	493	573.00	0.00	330.38	221.65	0.00	0.00	0.00	0.00	0.00	552.04
7 NAGBAYAN	1216	279	561.75	0.00	352.59	150.73	0.00	0.00	0.00	0.00	0.00	503.12
8 NAGBUNGA	1253	262	143.99	0.00	143.56	0.43	0.00	0.00	0.00	0.00	0.00	143.50
9 SAN AGUSTIN	3291	677	93.42	0.00	46.89	0.69	0.00	0.00	0.00	0.00	0.00	57.50
10 SAN JOSE (POB.)	1802	384	154.89	0.00	94.08	60.31	0.00	0.00	0.00	0.00	0.00	154.38
11 SAN JUAN (POB.)	601	119	185.51	0.00	143.22	38.35	0.00	0.00	0.00	0.00	0.00	181.58
12 SAN NICOLAS	3000	606	72.34	0.00	25.33	47.03	0.00	0.00	0.00	0.00	0.00	72.34
13 SAN PABLO (POB.)	3902	778	44.59	0.00	16.96	1.33	0.00	0.00	0.00	0.00	0.00	18.29
14 SAN ROCHE	1178	240	93.43	0.00	53.93	30.87	0.00	0.00	0.00	0.00	0.00	84.80
15 STA. MARIA	1617	342	81.24	0.00	22.63	58.57	0.00	0.00	0.00	0.00	0.00	81.20
<b>OLONGAPO CITY</b>												
1 ASINAN	3073	758	133.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 BANICAIN	8036	193	69.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 BARRETTO	12213	2677	70.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 EAST BAJACBAJAC	19071	4164	384.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 EAST TAPINAC	12252	3101	231.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 GORDON HEIGHTS	19877	4056	760.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 KALAKLAN	11789	2665	103.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8 KALALAKE	10081	2405	64.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 MABAYUAN	9760	2102	460.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 NEW CABALAN	13009	2515	157.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 NEW ILALIM	1493	301	19.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 NEW KABABE	2185	487	541.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 OLD CABALAN	10167	2122	222.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14 PAG-ASA	7045	1655	45.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15 STA. RITA	31056	7321	1,831.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16 WEST BAJACBAJAC	10214	2180	28.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17 WEST TAPINAC	8404	2080	10.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>SAN ANTONIO, ZAMBALES</b>												
1 ANGELES	1155	247	477.09	0.00	47.31	428.78	0.00	0.00	0.00	0.00	0.00	477.09
2 ANTIPOL (POB.)	1239	262	195.23	0.00	198.2							

# List of Evacuation Centers in The Pinatubo Volcano Lahar Hazard Map

(Quadrant 1)

September 17, 1992

Province/Municipality Evacuation Center (Number/Name)	Barangay	Capacity (Number of Persons)	Number of Wells	Number of Toilets
DINALUPIHAN, BATAAN 1 Luakan High School	LUAKAN	53 53	1 1	2 2
CASTILLEJOS, ZAMBALES 1 Magsaysay E/S 2 Balaybay Elementary	MAGSAYSAY BALAYBAY	1,033 636 397	4 3 1	16 14 2
OLONGAPO CITY 1 Sta. Rita E/S	SANTA RITA	100 100	0 0	15 15
SAN ANTONIO, ZAMBALES 1 Rizal E/S	RIZAL	265 265	1 1	2 2
SAN FELIPE, ZAMABLES 1 Maloma Community School 2 Sindol E/S	MALOMA SINDOL	530 265 265	3 3 1	2 2 1
SAN MARCELINO, ZAMBALES 1 Nagbunga E/S 2 San Rafael E/S	NAGBUNGA SAN RAFAEL	583 371 212	2 2 0	6 2 4
SAN NARCISO, ZAMBALES 1 Grullo E/S 2 Omaya E/S 3 Beddeng Mabangcal Elem.	GRULLO OMAYA BEDDENG	503 265 26 212	3 2 0 1	9 6 2 1

Note: The list includes only evacuation centers whose locations were verified by the NRO III GIS.

fn: tev3

Figures used were taken from the Regional Disaster Coordinating Council III.

**List of Barangays In The Pinalubo Volcano Lahar Hazard Map (Quadrant 2)**

Note: Estimated based on NPO III GIS

Province/Municipality Barangay (Number/Name)	1990 Population	1990 Number of Households	Estimated Area of Barangay (in Hectares)	Prone to			Affected Areas (in Hectares)			Pinalubo Crater	Pinalubo Lake	Total
				Bank Erosion	Lahar Deposition	Flooding Sediment	Covered by 1991 Pyroclastic Deposit	Covered by Pemobilized Ashfall				
ORAC, PAMPANGA	68,215	11,595	30,088.21	245.67	1,084.00	169.46	2,664.87	893.71	7.64	0.00	3,165.55	
1 BABO PANGULO	1744	278	261.44	0.00	0.00	0.00	0.00	0.00	32.24	0.00	0.00	32.24
2 BABO SAGAN	2815	469	137.01	0.00	0.00	47.55	0.00	0.00	13.79	0.03	0.00	61.34
3 BALUBAO	1498	250	385.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 CALZADANO BAYU	3985	577	628.43	0.00	47.84	0.00	0.00	0.00	0.00	0.00	0.00	47.84
5 CAMAS	489	101	107.13	0.00	0.00	24.21	0.00	0.00	10.00	0.00	0.00	34.21
6 CANGATINA	3022	405	358.05	0.00	0.00	0.00	0.00	0.00	21.87	0.03	0.00	21.87
7 DAZ	256	66	122.87	0.00	0.00	9.78	0.00	11.65	0.00	0.00	0.00	21.43
8 HACIENDA DOLORES	3550	613	1,815.62	112.14	0.00	0.00	73.46	80.21	0.00	0.00	0.00	255.81
9 INAIARO	492	120	124.99	0.00	0.00	18.81	0.00	16.02	0.00	0.00	0.00	34.65
0 JALUHO	2377	382	124.31	0.00	0.00	9.75	0.00	32.68	0.00	0.00	0.00	40.83
1 MANTACIAN	3423	604	591.71	5.47	40.29	0.00	0.00	58.17	0.00	0.00	0.00	103.93
2 MANIBAU LIBUTAU	3007	663	418.62	67.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.03
3 MANIBAU PARALAYA	5113	900	932.64	61.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.23
4 MANIBAU PASIO	5282	826	120.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 MANUALI	49	14	88.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 MIZLA PROPER	1765	287	825.97	0.00	502.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 PALAT	1803	295	156.72	0.00	0.00	17.66	0.00	58.81	0.00	0.00	0.00	76.47
8 PIAS	1782	272	467.79	0.00	0.00	7.20	0.00	16.81	0.00	0.00	0.00	24.01
9 PIO	2358	399	165.02	0.00	0.00	1.58	0.00	53.81	0.00	0.00	0.00	55.19
0 PLAVAS	1042	213	504.34	0.00	0.00	2.65	0.00	61.85	0.00	0.00	0.00	64.40
1 POBLACION	2145	364	111.48	0.00	0.00	0.00	0.00	20.76	0.00	0.00	0.00	20.76
2 PULUNG SANTOL	3760	651	698.50	0.00	56.71	29.66	0.00	21.71	0.00	0.00	0.00	168.05
3 SALU	501	80	573.14	0.00	0.00	0.00	0.00	79.39	0.00	0.00	0.00	90.07
4 SAN JOSE MITIA	1279	217	591.10	0.00	436.31	0.00	0.00	0.00	0.00	0.00	0.00	436.31
5 SAPANG BUALAH	3057	499	450.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 SAPANG UWAK (AETAS)	324	67	8,735.00	0.00	0.00	0.00	2,301.60	21.57	7.64	0.00	0.00	2,330.81
7 SIRIURA	1072	178	249.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8 STA. CRUZ	8223	1522	780.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 VILLA MARIA (AETAS)	232	53	10,313.64	0.00	0.00	0.00	203.81	384.57	0.00	0.00	0.00	0.00
MILAC, TAHLAC	44,297	7,902	32,199.20	0.00	3,099.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 ARMENIA	2709	457	316.93	0.00	293.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 ASTURIAS	880	163	123.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 ATILOC	1082	166	152.47	0.00	150.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 BALANTI	1157	208	1,066.51	0.00	567.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 BALETE	2012	459	190.88	0.00	35.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 BUENAVISTA	512	101	230.07	0.00	203.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 BUROT	2081	340	136.33	0.00	16.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8 CENTRAL	5216	952	356.02	0.00	224.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 DELA PAZ	1185	203	271.39	0.00	270.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 LOURDES	1487	278	73.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 LUSINGAN	-	-	69.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 MAHON	-	-	24,903.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 MALIGAYA	2007	524	212.51	0.00	212.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14 MAPALACSAO	3947	715	152.93	0.00	32.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15 MORIONES	-	-	440.15	0.00	34.22	0.00	0.00	0.00	0.00	0.00	0.00	37.89
16 PAO	-	-	1,370.55	0.00	26.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17 PAISMO	2626	469	159.97	0.00	38.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18 SAN CARLOS	909	141	735.69	0.00	735.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19 SAN FRANCISCO	1647	270	112.50	0.00	52.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20 SAN MIGUEL	8533	1505	40.05	0.00	23.21	0.00	0.00	0.00	0.00	0.00	0.00	52.56
21 SAPANG TAGALOO	2715	460	170.17	0.00	151.07	0.00	0.00	0.00	0.00	0.00	0.00	23.21
22 STO. DOMINGO	650	117	116.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.87
23 BUIZO	1919	340	11.77	0.00	11.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24 VILLA ADOLIPAY	-	-	223.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL, ZAMBIALES</b>	<b>35,504</b>	<b>6,850</b>	<b>70,150.35</b>	<b>0.00</b>	<b>7,563.61</b>	<b>2,261.48</b>	<b>11,880.67</b>	<b>11.15</b>	<b>430.92</b>	<b>30.86</b>	<b>0.00</b>	<b>22,215.63</b>
BANCAL	727	132	152.03	0.00	0.00	171.03	0.00	0.00	0.00	0.00	0.00	0.00
BANGAN	1319	266	272.92	0.00	275.03	0.00	0.00	0.00	0.00	0.00	0.00	171.02
BAONLAPOC	1030	330	99.02	0.00	99.02	0.00	0.00	0.00	0.00	0.00	0.00	276.02
BELBEL	534	124	5,344.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.32
BENEQ	1084	213	140.44	0.00	130.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BINUCLUTAN	7539	104	374.64	0.00	50.61	0.00	0.00	0.00	0.00	0.00	0.00	130.24
BUROB	609	145	593.64	0.00	417.05	2.72	0.00	0.00	0.00	0.00	0.00	52.51
CAHATUAN	330	77	407.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	420.30
DAPAYAWAN	759	144	169.05	0.00	169.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAITAIL	2541	505	16,174.09	0.00	2,500.83	329.81	0.00	0.00	0.00	0.00	0.00	109.85
DANACHUNDA	1794	345	229.63	0.00	45.74	180.43	0.00	0.00	0.00	0.00	0.00	2,919.41
MAQUISQUIS	1325	273	13,306.25	0.00	1,157.29	0.00	2,691.89	0.00	0.00	0.00	0.00	226.17
MALOMBOY	1097	206	44.89	0.00	20.54	1.31	0.00	0.00	0.00	0.00	0.00	3,852.16
MAMIOO	192	342	2,953.00	0.00	347.92	0.00	0.00	0.00	0.00	0.00	0.00	21.87
MAYAWA	592	112	10,072.31	0.00	240.03	0.00	3,710.01	11.15	340.57	39.01	4,340.19	
NACOICOL	613	143	370.11	0.00	26.09	79.87	0.00	0.00	0.00	0.00	0.00	105.93
PAO (POII)	168	34	133.17	0.00	131.52	0.00	0.00	0.00	0.00	0.00	0.00	131.52
PALIS	1753	328	99.57	0.00	95.01	2.57	0.00	0.00	0.00	0.00	0.00	99.57
PANAH	328	79	341.51	0.00	7.74	0.00	0.00	0.00	0.00	0.00	0.00	7.74
PAHEL	1546	203	1,376.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PAUPOO	759	145	2,113.54	0.00	25.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POHIMATO	1167	223	212.07	0.00	212.07	0.00	0.00	0.00	0.00	0.00	0.00	25.45
POHAC	2553	483	255.78	0.00	326.17	0.00	0.00	0.00	0.00	0.00	0.00	212.07
SAN ISIDRO	1068	205	394.37	0.00	265.37	0.00	0.00	0.00	0.00	0.00	0.00	329.17
SAN JUAN	869	151	248.06	0.00	0.00	249.86	0.00	0.00	0.00			

**AFFECTED/THREATENED BARANGAYS, POPULATION AND HOUSEHOLDS  
PER MUNICIPALITY**

(Estimates based on NRO-3 GIS Database and on Pinatubo Volcano Lahar Hazard Map)  
September 17, 1992

Province/ Municipality	Affected Barangays				Affected Areas (in Hectares)						
	Number	1990 Population	1990 Number of Households	Prone to Bank Erosion	Prone to Lahar Deposition	Prone to Flooding/ Siltation	Covered by 1991 Pyroclastic Deposit	Covered by Remobilized Ashfall	Pinatubo Crater	Pinatubo Lake	Total
PINATUBO STUDY AREA	595	1,351,976	239,605	1,348,41	76,947.65	37,525.63	16,603.11	2,564.75	447.56	584.05	136,021.16
JATAAN	27	42,676	7,904	0.00	35.50	328.51	0.00	0.00	0.00	0.00	364.01
DINALUPIHAN	11	12,222	2,120	0.00	34.42	0.56	0.00	0.00	0.00	0.00	34.98
HERMOSA	2	5,139	892	0.00	1.08	35.65	0.00	0.00	0.00	0.00	35.73
ORANI	14	25,315	4,892	0.00	0.00	292.30	0.00	0.00	0.00	0.00	292.30
JULACAN	5	12,185	2,207	0.00	0.00	71.95	0.00	0.00	0.00	0.00	71.95
CALUMPIT	5	12,185	2,207	0.00	0.00	71.95	0.00	0.00	0.00	0.00	71.95
IUEVA ECija	16	30,058	5,454	0.00	2,287.60	4,518.99	0.00	0.00	0.00	0.00	6,806.59
CABIAO	5	10,571	1,740	0.00	44.68	2,640.06	0.00	0.00	0.00	0.00	2,684.74
SAN ANTONIO	6	13,221	2,474	0.00	2,044.22	1,878.93	0.00	0.00	0.00	0.00	3,923.15
ZARAGOSA	5	6,268	1,240	0.00	198.70	0.00	0.00	0.00	0.00	0.00	198.70
AMPANGA	328	831,184	143,108	1,348.41	21,538.80	21,360.45	3,094.83	1,430.30	7.64	0.00	48,760.43
ANGELES CITY	18	97,962	18,815	718.31	0.00	394.59	366.72	0.00	0.00	0.00	1,479.62
APALIT	4	18,752	3,288	0.00	0.00	157.89	0.00	0.00	0.00	0.00	157.89
ARAYAT	18	39,180	6,490	0.00	0.00	664.78	0.00	0.00	0.00	0.00	664.78
BACOLOR	19	64,512	11,000	0.00	4,828.51	255.54	0.00	0.00	0.00	0.00	5,084.05
CANDABA	10	18,405	2,997	0.00	0.00	1,790.73	0.00	0.00	0.00	0.00	1,790.73
FLORIDABLANCA	23	46,323	8,072	25.54	1,495.19	1,030.20	8.80	313.73	0.00	0.00	2,873.46
GUAGUA	25	69,835	12,053	0.00	1,935.53	283.00	0.00	0.00	0.00	0.00	2,218.53
LUBAO	25	64,495	11,027	0.00	543.83	2,361.13	0.00	0.00	0.00	0.00	2,804.96
MABALACAT	12	28,375	5,001	0.32	2,828.31	0.00	54.44	122.86	0.00	0.00	3,005.93
MACABEBE	7	10,331	1,747	0.00	58.90	429.81	0.00	0.00	0.00	0.00	468.71
MAGALANG	7	13,266	2,195	0.00	2,950.30	0.03	0.00	0.00	0.00	0.00	2,950.33
MASANTOL	16	19,872	3,352	0.00	0.00	653.14	0.00	0.00	0.00	0.00	653.14
MEXICO	39	65,694	10,616	358.37	1,851.10	3,609.28	0.00	0.00	0.00	0.00	5,898.75
MINALIN	14	31,193	5,054	0.00	206.14	1,807.69	0.00	0.00	0.00	0.00	2,093.83
POFAC	23	48,534	8,259	245.87	1,084.00	169.46	2,664.87	993.71	7.64	0.00	5,185.55
SAN FERNANDO	9	57,426	10,083	0.00	157.97	1,440.29	0.00	0.00	0.00	0.00	1,598.26
SAN LUIS	12	18,342	2,955	0.00	28.66	776.06	0.00	0.00	0.00	0.00	804.72
SAN SIMON	7	14,477	2,381	0.00	158.77	440.24	0.00	0.00	0.00	0.00	599.01
SANTA ANA	10	21,457	3,426	0.00	266.66	1,676.54	0.00	0.00	0.00	0.00	1,943.20
SANTA RITA	10	20,296	4,774	0.00	1,897.87	0.00	0.00	0.00	0.00	0.00	1,897.87
SANTO TOMAS	7	33,309	6,039	0.00	0.00	1,218.54	0.00	0.00	0.00	0.00	1,218.54
SASMUAN	13	21,148	3,486	0.00	1,167.06	2,111.51	0.00	0.00	0.00	0.00	3,278.57
ARLAC	100	250,065	42,735	0.00	29,084.14	0.00	534.35	122.99	0.00	0.00	29,741.48
BAMBAN	13	33,452	5,795	0.00	2,057.59	0.00	468.87	122.99	0.00	0.00	2,649.45
CAPAS	16	54,350	9,327	0.00	7,460.02	0.00	65.48	0.00	0.00	0.00	7,525.50
CONCEPCION	45	103,146	17,092	0.00	16,551.29	0.00	0.00	0.00	0.00	0.00	15,551.29
LA PAZ	8	17,443	3,101	0.00	928.66	0.00	0.00	0.00	0.00	0.00	928.66
ARLAC	18	41,674	7,419	0.00	3,006.58	0.00	0.00	0.00	0.00	0.00	3,006.58
MBALES	119	165,808	38,197	0.00	24,001.61	11,245.73	12,973.93	1,011.46	439.92	584.05	50,255.70
TOTOLAN	28	33,094	6,356	0.00	7,583.61	2,264.48	11,886.67	11.15	439.92	30.85	22,216.69
ABANGAN	6	4,355	889	0.00	108.71	0.00	0.00	0.00	0.00	0.00	108.71
ASTILLEJOS	15	26,753	5,453	0.00	2,307.50	2,095.19	0.00	0.00	0.00	0.00	4,402.69
SA	6	11,025	2,158	0.00	0.00	254.10	0.00	0.00	0.00	0.00	254.10
AN ANTONIO	14	26,944	5,800	0.00	2,451.26	1,724.01	0.00	0.00	0.00	0.00	4,175.27
AN FELIPE	10	14,065	3,017	0.00	1,775.40	1,166.36	0.00	357.96	0.00	0.00	3,299.72
AN MARCELINO	18	35,598	7,568	0.00	5,784.05	1,301.55	1,087.26	642.35	0.00	553.19	9,260.40
AN NARCISO	18	22,091	4,893	0.00	3,991.00	2,144.42	0.00	0.00	0.00	0.00	6,135.50
UBIC	4	10,083	2,063	0.00	0.00	295.62	0.00	0.00	0.00	0.00	295.62

Population and Household figures were taken from the 1990 Census of Population by the National Statistics Office.

**List of Barangays In The Pinatubo Volcano Lahar Hazard Map (Quadrant 2)**

(Note: Estimated based on NRO III GIS)

Province/Municipality Barangay (Number/Name)	1990 Population	1990 Number of Households	Estimated Area of Barangay (in Hectares)	Prone to				Affected Areas (in Hectares)				Total
				Bank Erosion	Lahar Deposition	Flooding/ Siltation	Prone to	Covered by 1991 Pyroclastic Deposit	Covered by Remobilized Ashfall	Pinatubo Crater	Pinatubo Lake	
PORAC, PAMPANGA	68,215	11,595	30,888.21	245.87	1,084.00	169.46	2,664.87	993.71	7.64	0.00	5,165.55	
1 BABO PANGULO	1744	278	261.44	0.00	0.00	0.00	0.00	0.00	32.24	0.00	0.00	32.24
2 BABO SACAN	2615	469	137.01	0.00	0.00	47.55	0.00	0.00	13.79	0.00	0.00	61.34
3 BALURAD	1498	250	385.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 CALZADANG BAYU	3585	577	628.43	0.00	47.84	0.00	0.00	0.00	0.00	0.00	0.00	47.84
5 CAMIAS	409	101	107.13	0.00	0.00	24.21	0.00	0.00	10.00	0.00	0.00	34.21
6 CANGATBA	3022	465	358.05	0.00	0.00	0.00	0.00	0.00	21.87	0.00	0.00	21.87
7 DIAZ	258	66	122.87	0.00	0.00	9.78	0.00	0.00	11.65	0.00	0.00	21.43
8 HACIENDA DOLORES	3550	813	1,815.62	112.14	0.00	0.00	73.48	80.21	0.00	0.00	0.00	265.81
9 INARARO	492	120	124.90	0.00	0.00	18.84	0.00	0.00	16.02	0.00	0.00	34.85
10 JALUNG	2377	382	124.31	0.00	0.00	9.75	0.00	0.00	30.68	0.00	0.00	40.43
11 MANCATIAN	3423	604	581.71	5.47	40.29	0.00	0.00	0.00	58.17	0.00	0.00	103.93
12 MANIBAUG LIBUTAD	3907	663	418.62	67.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.03
13 MANIBAUG PARLAYA	5113	900	952.64	61.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.23
14 MANIBAUG PASIG	5202	876	126.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15 MANUALI	49	14	88.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16 MITLA PROPER	1785	287	825.97	0.00	502.85	0.00	0.00	0.00	0.00	0.00	0.00	502.85
17 PALAT	1803	295	156.72	0.00	0.00	17.66	0.00	0.00	58.81	0.00	0.00	78.47
18 PIAS	1782	272	467.79	0.00	0.00	7.20	0.00	0.00	16.81	0.00	0.00	24.01
19 PIO	2390	399	165.02	0.00	0.00	1.58	0.00	0.00	53.01	0.00	0.00	55.19
20 PLANAS	1842	313	534.34	0.00	0.00	2.55	0.00	0.00	81.85	0.00	0.00	84.40
21 POBLACION	2145	364	111.48	0.00	0.00	0.00	0.00	0.00	20.76	0.00	0.00	20.76
22 PULUNG SANTOL	3768	654	698.50	0.00	56.71	29.66	0.00	0.00	21.71	0.00	0.00	108.03
23 SALU	501	80	573.14	0.00	0.00	0.60	0.00	0.00	79.39	0.00	0.00	80.07
24 SAN JOSE MITLA	1279	217	591.18	0.00	436.31	0.00	0.00	0.00	0.00	0.00	0.00	436.31
25 SAPANG BULAUN	3057	496	450.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26 SAPANG UWAK (AETAS)	324	67	8,735.00	0.00	0.00	0.00	2,301.00	21.57	7.64	0.00	0.00	2,330.81
27 SINURA	1072	178	249.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 STA. CRUZ	6723	1522	700.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29 VILLA MARIA (AETAS)	232	53	10,313.64	0.00	0.00	0.00	289.01	384.57	0.00	0.00	0.00	674.36
TABILAC, TARLAC	44,797	7,982	32,199.28	0.00	3,056.58	0.00	0.00	0.00	0.00	0.00	0.00	3,056.58
1 AIHENIA	2709	467	316.93	0.00	293.04	0.00	0.00	0.00	0.00	0.00	0.00	293.04
2 ASTURIAS	660	165	123.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 ATILOC	1087	185	150.47	0.00	150.47	0.00	0.00	0.00	0.00	0.00	0.00	150.47
4 BALANTI	1157	200	1,000.51	0.00	507.76	0.00	0.00	0.00	0.00	0.00	0.00	507.76
5 BALETE	2612	469	190.88	0.00	35.75	0.00	0.00	0.00	0.00	0.00	0.00	35.75
6 BUENAVISTA	512	101	230.97	0.00	203.30	0.00	0.00	0.00	0.00	0.00	0.00	203.30
7 BUROT	2091	340	136.33	0.00	16.01	0.00	0.00	0.00	0.00	0.00	0.00	16.01
8 CENTRAL	5216	953	356.02	0.00	224.39	0.00	0.00	0.00	0.00	0.00	0.00	224.39
9 DELA PAZ	1186	203	271.59	0.00	270.77	0.00	0.00	0.00	0.00	0.00	0.00	270.77
10 LOURDES	1487	278	73.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 LUBINGAN	-	-	69.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 MAA NOT	-	-	24,903.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 MALIGAYA	2007	524	212.51	0.00	212.50	0.00	0.00	0.00	0.00	0.00	0.00	212.50
14 MAPALACASAO	3947	715	152.93	0.00	37.89	0.00	0.00	0.00	0.00	0.00	0.00	37.89
15 MOTIIONES	-	-	440.16	0.00	34.32	0.00	0.00	0.00	0.00	0.00	0.00	34.32
16 PAO	-	-	1,370.55	0.00	20.52	0.00	0.00	0.00	0.00	0.00	0.00	20.52
17 PARAISO	2626	469	159.87	0.00	38.69	0.00	0.00	0.00	0.00	0.00	0.00	38.69
18 SAN CARLOS	909	141	735.69	0.00	735.69	0.00	0.00	0.00	0.00	0.00	0.00	735.69
19 SAN FRANCISCO	1647	270	112.60	0.00	52.56	0.00	0.00	0.00	0.00	0.00	0.00	52.56
20 SAN MIGUEL	8533	1565	46.05	0.00	23.21	0.00	0.00	0.00	0.00	0.00	0.00	23.21
21 SAPANG TAGALOG	2716	460	170.17	0.00	151.07	0.00	0.00	0.00	0.00	0.00	0.00	151.07
22 STO. DOMINGO	656	117	116.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 SUIZO	1919	340	11.77	0.00	11.76	0.00	0.00	0.00	0.00	0.00	0.00	11.76
24 VILLA AGLIPAY	-	-	823.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BOTOLAN, ZAMBALES	39,504	6,860	70,100.35	0.00	7,583.61	2,264.46	11,888.67	11.15	439.92	30.86	22,216.69	
1 BANCAL	727	132	152.03	0.00	171.09	0.00	0.00	0.00	0.00	0.00	0.00	171.09
2 BANOAN	1319	266	272.82	0.00	276.09	0.00	0.00	0.00	0.00	0.00	0.00	276.09
3 BATONLAPOC	1630	330	99.32	0.00	99.32	0.00	0.00	0.00	0.00	0.00	0.00	99.32
4 BELBEL	534	124	5,344.74	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 BENEG	1034	213	140.44	0.00	130.24	0.00	0.00	0.00	0.00	0.00	0.00	130.24
6 BINUCUTAN	1539	104	374.04	0.00	53.61	0.00	0.00	0.00	0.00	0.00	0.00	53.61
7 BURGOS	609	145	500.64	0.00	417.66	2.72	0.00	0.00	0.00	0.00	0.00	420.38
8 CABATUAN	330	77	407.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 CAPAYAWAN	759	144	169.06	0.00	169.06	0.00	0.00	0.00	0.00	0.00	0.00	169.06
10 CAIUEL	2341	505	16,174.09	0.00	2,580.80	329.81	0.00	0.00	0.00	0.00	0.00	2,910.61
11 DANACBUNGA	1794	345	229.63	0.00	45.74	180.43	0.00	0.00	0.00	0.00	0.00	226.17
12 MAGUISGUIS	1326	278	13,306.25	0.00	1,167.29	0.09	2,694.89	0.00	0.00	0.00	0.00	3,862.18
13 MALOMBOY	1097	200	44.89	0.00	20.54	1.33	0.00	0.00	0.00	0.00	0.00	21.57
14 MAMBOK	1902	342	2,953.80	0.00	0.00	347.92	0.00	0.00	0.00	0.00	0.00	347.92
15 MORAZA	509	112	10,072.31	0.00	246.83	0.00	3,718.01	11.15	340.57	30.63	4,349.19	
16 NACOLCOL	693	143	370.11	0.00	26.05	29.87	0.00	0.00	0.00	0.00	0.00	105.93
17 OWAOG-NIBLOC	168	34	133.17	0.00	131.52	0.00	0.00	0.00	0.00	0.00	0.00	131.52
18 PACO (POB.)	1753	328	98.57	0.00	95.01	3.57	0.00	0.00	0.00	0.00	0.00	98.53
19 PALIS	320	79	341.51	0.00	7.74	0.00	0.00	0.00	0.00	0.00	0.00	7.74
20 PANAN	1646	303	1,376.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21 PAREL	799	145	2,113.54	0.00	25.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22 PAUDPOD	1157	223	212.07	0.00	212.07	0.00	0.00	0.00	0.00	0.00	0.00	212.07
23 POONBATO	2553	483	355.78	0.00	326.17	0.00	0.00	0.00	0.00	0.00	0.00	326.17
24 PORAC	1068	205	394.37	0.00	265.37	0.00	0.00	0.00	0.00	0.00	0.00	265.37
25 SAN ISIDRO	699	154	249.86	0.00	0.00	24						

## QUADRANT 3

AFFECTED/THREATENED BARANGAYS, POPULATION AND HOUSEHOLDS  
PER MUNICIPALITY(Estimates based on NRO-3 GIS Database and on Pinatubo Volcano Lahar Hazard Map)  
September 17, 1992

Province/ Municipality	Affected Barangays				Affected Areas (in Hectares)						
	Number	1990 Population	1990 Number of Households	Prone to Bank Erosion	Prone to Lahar Deposition	Prone to Flooding/ Siltation	Covered by 1991 Pyroclastic Deposit	Covered by Rernobilized Ashfall	Pinatubo Crater	Pinatubo Lake	Total
NATUBO STUDY AREA	595	1,351,976	239,605	1,348.41	76,947.65	37,525.63	16,603.11	2,564.75	447.56	584.05	136,021.16
TAAN	27	42,676	7,904	0.00	35.50	328.51	0.00	0.00	0.00	0.00	364.01
DINALUPIHAN	11	12,222	2,120	0.00	34.42	0.58	0.00	0.00	0.00	0.00	34.98
HERMOSA	2	5,139	892	0.00	1.08	35.65	0.00	0.00	0.00	0.00	36.73
ORANI	14	25,315	4,892	0.00	0.00	292.30	0.00	0.00	0.00	0.00	292.30
ILACAN	5	12,185	2,207	0.00	0.00	71.95	0.00	0.00	0.00	0.00	71.95
CALUMPIT	5	12,185	2,207	0.00	0.00	71.95	0.00	0.00	0.00	0.00	71.95
IEVA ECIJA	16	30,058	5,454	0.00	2,287.60	4,518.99	0.00	0.00	0.00	0.00	6,006.59
CABIAO	5	10,571	1,740	0.00	44.68	2,640.06	0.00	0.00	0.00	0.00	2,684.74
SAN ANTONIO	6	13,221	2,474	0.00	2,044.22	1,878.93	0.00	0.00	0.00	0.00	3,923.15
AFAGOSA	5	6,266	1,240	0.00	198.70	0.00	0.00	0.00	0.00	0.00	198.70
MPANGA	328	831,184	143,108	1,348.41	21,538.80	21,360.45	3,094.83	1,430.30	7.64	0.00	48,780.43
INGELES CITY	18	97,962	18,815	718.31	0.00	394.59	366.72	0.00	0.00	0.00	1,479.62
PAUT	4	18,752	3,206	0.00	0.00	157.89	0.00	0.00	0.00	0.00	157.89
RAYAT	18	39,180	6,490	0.00	0.00	604.78	0.00	0.00	0.00	0.00	664.78
ACOLOR	19	64,512	11,000	0.00	4,828.51	255.54	0.00	0.00	0.00	0.00	5,084.05
CANDABA	10	18,405	2,997	0.00	0.00	1,790.73	0.00	0.00	0.00	0.00	1,790.73
LORIDABLANCA	23	46,323	8,072	25.54	1,495.19	1,030.20	8.80	313.73	0.00	0.00	2,873.46
GUAGUA	25	69,835	12,053	0.00	1,935.53	283.00	0.00	0.00	0.00	0.00	2,218.53
UBAO	25	64,495	11,027	0.00	543.83	2,361.13	0.00	0.00	0.00	0.00	2,904.95
IABALACAT	12	28,375	5,001	0.32	2,828.31	0.00	54.44	122.86	0.00	0.00	3,005.93
MACABEBE	7	10,331	1,747	0.00	58.90	429.81	0.00	0.00	0.00	0.00	489.71
MAGALANG	7	13,266	2,195	0.00	2,950.30	0.03	0.00	0.00	0.00	0.00	2,950.33
MASANTOL	16	19,872	3,352	0.00	0.00	663.14	0.00	0.00	0.00	0.00	653.14
MEXICO	39	65,604	10,616	358.37	1,851.10	3,689.28	0.00	0.00	0.00	0.00	5,899.75
MINALIN	14	31,193	5,054	0.00	286.14	1,807.69	0.00	0.00	0.00	0.00	2,093.83
PORAC	23	48,534	8,259	245.87	1,084.00	169.46	2,664.87	993.71	7.64	0.00	5,165.55
SAN FERNANDO	9	57,426	10,083	0.00	157.97	1,440.29	0.00	0.00	0.00	0.00	1,598.26
SAN LUIS	12	18,342	2,955	0.00	28.66	776.06	0.00	0.00	0.00	0.00	804.72
SAN SIMON	7	14,477	2,381	0.00	158.77	440.24	0.00	0.00	0.00	0.00	599.01
SANTA ANA	10	21,457	3,426	0.00	206.66	1,876.54	0.00	0.00	0.00	0.00	1,943.20
SANTA RITA	10	28,296	4,774	0.00	1,897.87	0.00	0.00	0.00	0.00	0.00	1,897.87
SANTO TOMAS	7	33,309	6,039	0.00	0.00	1,216.54	0.00	0.00	0.00	0.00	1,218.54
SASMUAN	13	21,148	3,486	0.00	1,167.06	2,111.51	0.00	0.00	0.00	0.00	3,278.57
ILAC	100	250,065	42,735	0.00	29,084.14	0.00	534.35	122.99	0.00	0.00	23,741.48
AMBAN	13	33,452	5,796	0.00	2,057.59	0.00	468.87	122.99	0.00	0.00	2,649.45
APAS	16	54,350	9,327	0.00	7,460.02	0.00	65.48	0.00	0.00	0.00	7,525.50
ONCEPCION	45	103,146	17,092	0.00	15,551.29	0.00	0.00	0.00	0.00	0.00	15,551.29
PAZ	8	17,443	3,101	0.00	928.66	0.00	0.00	0.00	0.00	0.00	928.66
IRLAC	18	41,674	7,419	0.00	3,086.58	0.00	0.00	0.00	0.00	0.00	3,086.58
IBALES	119	185,808	38,197	0.00	24,001.61	11,245.73	12,973.93	1,011.46	439.92	584.05	50,256.70
OTOLAN	28	33,094	6,356	0.00	7,583.61	2,264.48	11,886.67	11.15	439.92	30.86	22,216.69
ABANGAN	6	4,355	889	0.00	108.71	0.00	0.00	0.00	0.00	0.00	108.71
ESTILLEJOS	15	26,753	5,453	0.00	2,307.50	2,095.19	0.00	0.00	0.00	0.00	4,402.89
ANTONIO	6	11,025	2,158	0.00	0.00	254.10	0.00	0.00	0.00	0.00	254.10
FELIPE	14	26,944	5,800	0.00	2,451.26	1,724.01	0.00	0.00	0.00	0.00	4,175.27
MARCELINO	10	14,065	3,017	0.00	1,775.40	1,166.36	0.00	357.96	0.00	0.00	3,299.72
NARCISO	18	36,598	7,568	0.00	5,784.05	1,301.55	1,087.25	642.35	0.00	553.19	9,368.40
BIC	4	10,033	2,063	0.00	0.00	295.62	0.00	0.00	0.00	0.00	295.62

Population and Household figures were taken from the 1990 Census of Population by the National Statistics Office

			Elevation	Deposition	Situation	Deposit	Ashfall				
SANTA ROSA, NUEVA ECIJA	37,010	6,687	7,333.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 COJUANGCO (POB.)	2067	373	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 LA FUENTE	3529	617	1,310.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 MALIOLO	4554	795	1,941.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 RAJAL CENTRO	1378	252	1,414.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 RAJAL NORTE	1254	236	30.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 RAJAL SUR	1527	263	294.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 SAN GREGORIO	5115	941	93.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8 SAN GREGORIO	5115	941	14.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 SAN MARIANO	4035	706	12.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 SAN MARIANO	4035	706	21.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 SAN PEDRIO	1940	301	740.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 STO. ROSARIO	2462	476	1,459.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZARAOSA, NUEVA ECIJA	25,365	4,613	6,259.65	0.00	198.70	0.00	0.00	0.00	0.00	0.00	198.70
1 BATITANG	2318	436	1,084.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 CARMEN	1990	366	679.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 CONCEPCION	2036	561	466.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 DEL PILAR	2334	430	148.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 GENERAL LUNA	1325	233	102.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 H. ROMERO	395	80	419.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 MACABESE	1266	248	323.64	0.00	50.61	0.00	0.00	0.00	0.00	0.00	50.61
8 MANAUL	755	135	710.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 MAYAMOT	781	163	412.66	0.00	53.35	0.00	0.00	0.00	0.00	0.00	53.35
10 PANTOC	785	140	521.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 SAN ISIDRO	4153	779	106.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 SAN VICENTE (POB.)	1243	232	92.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 STA. CHUZ	962	173	332.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14 STO. ROSARIO OLD	1506	293	175.88	0.00	1.72	0.00	0.00	0.00	0.00	0.00	1.72
15 STO. ROSARIO YOUNG	2405	472	590.34	0.00	57.01	0.00	0.00	0.00	0.00	0.00	57.01
16 VALERIANA	308	64	116.59	0.00	36.01	0.00	0.00	0.00	0.00	0.00	36.01
ANGELES CITY	230,005	46,421	8,933.59	718.31	0.00	384.59	369.72	0.00	0.00	0.00	1,479.62
1 A. DEL ROSARIO	3034	750	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 AMSIC	3028	704	235.60	25.66	0.00	0.00	0.00	0.00	0.00	0.00	25.66
3 AHUNAS	5939	1160	949.51	91.17	0.00	0.00	0.00	0.00	0.00	0.00	91.17
4 BALIBAGO	29781	6500	203.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 CAPAYA	4392	769	105.76	34.37	0.00	111.02	0.00	0.00	0.00	0.00	145.37
6 CLARO M. RECTO	6453	1317	187.00	52.00	0.00	2.77	0.00	0.00	0.00	0.00	55.57
7 CUAYAN	920	129	910.21	130.02	0.00	0.00	0.00	0.00	0.00	0.00	130.02
8 CUTUG	17453	3579	140.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 CUTUD	1200	210	292.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 LOURDES NORTH WEST	11534	2207	52.69	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.65
11 LOURDES SUR	6519	1245	21.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 LOURDES SUR EAST	6549	1166	33.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 MALABANIAS	16050	3670	92.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14 MARGOT	2452	431	135.26	10.47	0.00	0.00	0.00	0.00	0.00	0.00	10.47
15 MINING	1122	197	230.56	0.00	0.00	20.72	0.00	0.00	0.00	0.00	20.72
16 MINOY AQUINO (MARISOL)	11698	2100	116.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17 PAMPANG	5727	1023	102.57	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.46
18 PANDAN	7565	1334	97.44	72.05	0.00	9.00	0.00	0.00	0.00	0.00	81.13
19 PULONG CACUTUD	1681	316	222.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20 PULONG MARAGUL	8649	1859	151.92	7.53	0.00	0.00	0.00	0.00	0.00	0.00	7.53
21 PULUNG-BULU	10295	1895	349.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22 SALAPUNGAN	6049	1260	209.50	10.09	0.00	101.03	0.00	0.00	0.00	0.00	119.92
23 SAN JOSE	6040	1203	91.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24 SAN NICOLAS	3532	713	97.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 SANTO ROSARIO (POB.)	4105	734	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26 SAPALIBUTAD	2812	481	217.30	7.41	0.00	98.18	0.00	0.00	0.00	0.00	105.57
27 SAPANGBATO	9477	1793	2,179.21	130.10	0.00	0.00	360.72	0.00	0.00	0.00	502.62
28 STA. TERESA	11600	2325	55.60	4.81	0.00	0.00	0.00	0.00	0.00	0.00	4.81
29 STA. TRINIDAD	5887	1002	116.17	25.87	0.00	0.00	0.00	0.00	0.00	0.00	25.87
30 STO. CRISTO	3857	720	112.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31 STO. DOMINGO	14869	2629	221.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32 TABUN	1515	275	105.83	60.02	0.00	45.81	0.00	0.00	0.00	0.00	105.03
33 V. DELOS REMEDIOS	1551	331	44.69	34.03	0.00	0.00	0.00	0.00	0.00	0.00	34.03
ANAYAT, PAMPANGA	73,189	12,100	11,942.03	0.00	0.00	664.78	0.00	0.00	0.00	0.00	664.78
1 AHENAS	1901	317	388.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 BALITI	1294	220	244.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 DATASAN	1422	235	189.74	0.00	0.00	52.40	0.00	0.00	0.00	0.00	52.40
4 BUENSUCESO	747	124	471.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 CANDATING	3052	545	613.42	0.00	0.00	58.83	0.00	0.00	0.00	0.00	58.83
6 GATIAWIN	3124	487	659.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 GUEMASAN	2501	416	72.28	0.00	0.00	5.00	0.00	0.00	0.00	0.00	5.00
8 KALEDIAN (CAMBA)	2044	449	151.03	0.00	0.00	60.18	0.00	0.00	0.00	0.00	60.18
9 LA PAZ (TURU)	420	69	743.44	0.00	0.00	21.43	0.00	0.00	0.00	0.00	21.43
10 LACMIT	3367	535	514.95	0.00	0.00	83.59	0.00	0.00	0.00	0.00	83.59
11 LAQUIOUS	1713	260	37.42	0.00	0.00	25.17	0.00	0.00	0.00	0.00	25.17
12 MANGA-CACUTUD	6475	1050	78.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 MAPALAD	2099	344	1,421.78	0.00	0.00	22.10	0.00	0.00	0.00	0.00	22.10
14 PARLINLANG	1491	236	709.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15 PARLAYA	1427	261	25.67	0.00	0.00	12.65	0.00	0.00	0.00	0.00	12.65
16 PLAZANG LUMA	3047	650	196.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17 POBLACION	2917	542	33.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18 SAN AGUSTIN NORTE	2333	301	74.14	0.00	0.00	2.78	0.00	0.00	0.00	0.00	2.78
19 SAN AGUSTIN SUR	1082	184	37.50	0.00	0.00	5.16	0.00	0.00	0.00	0.00	5.16
20 SAN ANTONIO	1722	299	523.31	0.00	0.00	1.68	0.00	0.00	0.00	0.00	1.68
21 SAN JOSE MESULO	3511	591	114.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22 SAN JUAN BANDO	4459	727	898.21	0.00	0.00	85.02	0.00	0.00	0.00	0.00	85.02
23 SAN MATEO	3470	534	649.52	0.00	0.00	154.16	0.00	0.00	0.00	0.00	154.16
24 SAN NICOLAS	4702	777	133.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 SAN ROCHE (BITAS)	2555	373	935.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26 STA. LUCIA CUPANG	2070	350	71.65	0.00	0.00	0.70	0.00	0.00	0.00	0.00	0.70
27 STA. LUCIA MATANO	1917	334	121.91	0.00	0.00	33.93	0.00	0.00	0.00	0.00	33.93
28 STA. NINO TASUAN	1693</td										

Note: Population and Household figures were taken from the 1990 Census of Population by the National Statistics Office  
Numbering of Barangay correspond to those shown in the Laiya Phased Map

		FU, 150	Y	5
2 Gueco Balibago E/S	LOURDES NORTH WEST	84	1	1
3 Pandan Elem. School	BALIBAGO	79	2	2
4 Oregon St. Tent City	PANDAN	106	2	1
5 Anunas Tent City	MARGOT	339	-	-
6 Cutcut Tent City	CUAYAN	583	-	-
7 Nepomuceno Elem. School	SAN JOSE	254	-	-
8 Old City Hall Tent City	A. DEL ROSARIO	84	1	1
9 Sto. Domingo Tent City	V. DELOS REMEDIOS	2612	-	-
10 San Jose Tent City	PULUNGBULU	280	-	-
11 Pandan City Center	PULUNGBULU	42	-	-
12 New City Hall Tent City	SALAPUNGAN	1892	-	-
13 TB Pavilion Tent City	BALIBAGO	918	-	-
14 Hensonville Tent City	SALAPUNGAN	143	-	-
15 Hensonville Evacuation Center	CLARO M. RECTO	185	-	-
16 Villa Rosario Tent City	STA. TERESITA	26	-	-
17 Melabanlas Oval	V. DELOS REMEDIOS	4308	-	-
18 Bolus Compound Tent City	CLARO M. RECTO	1060	-	-
19 Lourdes Northwest Elementary School	STA. TRINIDAD	-	-	-
20 Sta. Trinidad Tent City	STA. TRINIDAD	53	-	-
21 Claro M. Recto E/S	STA. TRINIDAD	68	-	-
22 Clemente Dayrit E/S	LOURDES SUR EAST	84	1	1
23 Kalayaan Tent City	NIÑO AQUINO (MARISOL)	466	-	-
24 PMRI Lourdes Elementary School	STA. TRINIDAD	1325	-	-
	NIÑO AQUINO (MARISOL)	201	-	-
ARAYAT, PAMPANGA				
1 San Nicolas E/S	SAN NICOLAS	950	10	10
2 Sta. Lucia Elem.	SANTA LUCIA MATAMO	400	7	5
3 San Juan Elem. School	SAN JUAN BANO	20	1	1
		530	2	4
MABALACAT, PAMPANGA				
1 Tabun Tent	TABUN	1,098	19	5
2 Dolores Elementary School	DOLORES	106	-	-
3 Dolores Tent Mabalacat	DOLORES	-	12	-
4 Mabalacat Central Elementary School	POBLACION	492	-	-
5 Oregon St. Tent City	LAKANDULA	-	2	-
6 Mebliga Elementary	LAKANDULA	-	-	-
7 Mangalit E/S	MANOALIT	200	2	2
		300	3	3
MAGALANG, PAMPANGA				
1 Sto. Rosario Elem.	SANTO ROSARIO	1,118	9	12
2 Santa Maria E/S	SANTA MARIA	250	4	3
3 San Miguel E/S	SAN MIGUEL	100	2	4
4 San Agustin Elementary	SAN AGUSTIN	300	1	2
5 Bolas Magalang	SAN AGUSTIN	150	2	3
6 Ayala Tent City	SAN AGUSTIN	-	-	-
7 Pampanga Agricultural College	SAN AGUSTIN	-	-	-
		318	-	-
MEXICO, PAMPANGA				
1 San Juan Elem. School	SAN JUAN	500	1	4
		500	1	4
SANTA ANA, PAMPANGA				
1 San Roque E/S	SAN ROQUE	947	5	11
2 San Agustin P/S	SAN AGUSTIN	132	2	5
3 Santiago E/S	SANTIAGO	265	1	2
4 Santa Lucia E/S	SANTA LUCIA	530	1	5
		20	1	1
BAMBAN, TARLAC				
1 Anupul Elem. School	ANUPUL	424	3	3
2 Central Azucarera De Tarlac	ANUPUL	424	1	1
3 Rolling Hills	ANUPUL	-	-	-
4 Bamban Central Elementary School	ANUPUL	-	2	2
5 Grotto	ANUPUL	-	-	-
		-	-	-
CAPAS, TARLAC				
1 Pegaso	STO. ROSARIO	2,146	4	4
2 Anupul Tent City	STO. ROSARIO	-	-	-
3 Sto. Domingo Elem. School	SANTO DOMINGO	-	-	-
4 Menlapig E/S	MAHLAPIG	1000	2	2
5 Capas West Central School	O	424	-	-
6 Sta. Juliana Elementary School	O'DONNELL	602	2	2
		-	-	-
CONCEPCION, TARLAC				
1 Jatinin Elementary School	SANTIAGO	4,122	9	9
2 NIA	SANTIAGO	-	-	-
3 Saint Jude	SAN NICOLAS (POB.)	-	-	-
4 Concepcion North Elementary School	GREEN VILLAGE	-	-	-
5 Sto. Nino Academy	SANTO NINO	-	-	-
6 North Sports Complex	GREEN VILLAGE	200	2	3
7 Aquino Memorial High School	GREEN VILLAGE	3127	-	-
8 Concepcion West Central School	DUNGAN	-	4	4
		795	3	2
TARLAC, TARLAC				
1 NOLCOM Camp Aquino	SAN FRANCISCO	1,436	-	-
2 Concepcion South Central School	PAO	641	-	-
3 Asturias E/S	ASTURIAS	795	-	-

Note: The list includes only evacuation centers whose locations were verified by the NRO III GIS.  
Figures used were taken from the Regional Disaster Coordinating Council III.

## PER MUNICIPALITY

(Estimates based on NRO-3 GIS Database and on Pinatubo Volcano Hazard Map)  
September 17, 1992

Province/ Municipality	Affected Barangays			Affected Areas (in Hectares)							
	Number	1990 Population	1990 Number of Households	Prone to Bank Erosion	Prone to Lahar Deposition	Prone to Flooding/ Siltation	Covered by 1991 Pyroclastic Deposit	Covered by Remobilized Ashfall	Pinatubo Crater	Pinatubo Lake	Total
PINATUBO STUDY AREA	595	1,351,976	239,605	1,348,41	76,947.65	37,525.63	16,603.11	2,564.75	447.56	584.05	136,021.16
BATAAN	27	42,676	7,904	0.00	35.50	328.51	0.00	0.00	0.00	0.00	364.01
1. DINALUPIHAN	11	12,222	2,120	0.00	34.42	0.56	0.00	0.00	0.00	0.00	34.93
2. HERMOSA	2	5,139	892	0.00	1.08	35.65	0.00	0.00	0.00	0.00	36.73
3. ORANI	14	25,315	4,892	0.00	0.00	292.30	0.00	0.00	0.00	0.00	292.30
BULACAN	5	12,185	2,207	0.00	0.00	71.95	0.00	0.00	0.00	0.00	71.95
1. CALUMPIT	5	12,185	2,207	0.00	0.00	71.95	0.00	0.00	0.00	0.00	71.95
NUEVA ECIJA	16	30,058	5,454	0.00	2,287.60	4,518.99	0.00	0.00	0.00	0.00	6,806.59
1. CABIAO	5	10,571	1,740	0.00	44.68	2,640.06	0.00	0.00	0.00	0.00	2,684.74
2. SAN ANTONIO	6	13,221	2,474	0.00	2,044.22	1,878.93	0.00	0.00	0.00	0.00	3,923.15
3. ZARAGOSA	5	6,206	1,240	0.00	198.70	0.00	0.00	0.00	0.00	0.00	190.70
PAMPANGA	328	831,184	143,108	1,348.41	21,538.80	21,360.45	3,094.83	1,430.30	7.64	0.00	49,780.43
1. ANGELES CITY	18	97,962	18,815	718.31	0.00	394.59	366.72	0.00	0.00	0.00	1,479.62
2. APALIT	4	18,752	3,286	0.00	0.00	157.89	0.00	0.00	0.00	0.00	157.89
3. ARAYAT	18	39,180	6,490	0.00	0.00	664.78	0.00	0.00	0.00	0.00	664.78
4. BACOLOR	19	64,512	11,000	0.00	4,628.51	255.54	0.00	0.00	0.00	0.00	5,034.05
5. CANDABA	10	18,405	2,997	0.00	0.00	1,790.73	0.00	0.00	0.00	0.00	1,790.73
6. FLORIDABLANCA	23	46,323	8,072	25.54	1,495.19	1,030.20	8.80	313.73	0.00	0.00	2,873.46
7. GUAGUA	25	69,835	12,053	0.00	1,935.53	283.00	0.00	0.00	0.00	0.00	2,218.53
8. LUBAO	25	64,495	11,027	0.00	543.83	2,361.13	0.00	0.00	0.00	0.00	2,904.90
9. MABALACAT	12	28,375	5,001	0.32	2,028.31	0.00	54.44	122.86	0.00	0.00	3,005.93
10. MACABEBE	7	10,331	1,747	0.00	58.90	429.81	0.00	0.00	0.00	0.00	488.71
11. MAGALANG	7	13,266	2,195	0.00	2,950.30	0.03	0.00	0.00	0.00	0.00	2,950.33
12. MASANTOL	16	19,872	3,352	0.00	0.00	663.14	0.00	0.00	0.00	0.00	663.14
13. MEXICO	39	65,694	10,616	358.37	1,851.10	3,689.28	0.00	0.00	0.00	0.00	5,898.75
14. MINALIN	14	31,193	5,054	0.00	286.14	1,807.69	0.00	0.00	0.00	0.00	2,003.83
15. PORAC	23	48,534	8,259	245.87	1,084.00	169.46	2,664.87	993.71	7.64	0.00	5,165.55
16. SAN FERNANDO	9	57,426	10,083	0.00	157.97	1,440.29	0.00	0.00	0.00	0.00	1,598.26
17. SAN LUIS	12	18,342	2,955	0.03	28.65	776.05	0.00	0.00	0.00	0.00	804.72
18. SAN SIMON	7	14,477	2,381	0.00	158.77	440.24	0.00	0.00	0.00	0.00	599.01
19. SANTA ANA	10	21,457	3,426	0.00	266.68	1,676.54	0.00	0.00	0.00	0.00	1,943.20
20. SANTA RITA	10	28,296	4,774	0.03	1,897.87	0.00	0.00	0.00	0.00	0.00	1,897.87
21. SANTO TOMAS	7	33,309	6,039	0.00	0.00	1,218.54	0.00	0.00	0.00	0.00	1,218.54
22. SASMUAN	13	21,148	3,486	0.00	1,167.06	2,111.51	0.00	0.00	0.00	0.00	3,278.57
TARLAC	100	250,065	42,735	0.00	29,084.14	0.00	534.35	122.99	0.00	0.00	29,741.43
1. BAMBAN	13	33,452	5,795	0.00	2,057.59	0.00	468.87	122.99	0.00	0.00	2,649.45
2. CAPAS	16	54,350	9,327	0.00	7,460.02	0.00	65.48	0.00	0.00	0.00	7,525.50
3. CONCEPCION	45	103,146	17,092	0.00	15,551.29	0.00	0.00	0.00	0.00	0.00	15,551.29
4. LA PAZ	8	17,443	3,101	0.00	928.66	0.00	0.00	0.00	0.00	0.00	928.66
5. TARLAC	18	41,674	7,419	0.00	3,085.58	0.00	0.00	0.00	0.00	0.00	3,086.58
ZAMBALES	119	185,808	38,197	0.00	24,001.61	11,245.73	12,973.93	1,011.46	439.92	584.05	50,295.70
1. BOTOLAN	28	33,094	6,356	0.00	7,583.61	2,264.48	11,886.67	11.15	439.92	30.86	22,216.69
2. CABANGAN	6	4,355	889	0.00	100.71	0.00	0.00	0.00	0.00	0.00	108.71
3. CASTILLEJOS	15	26,753	5,453	0.00	2,307.50	2,095.19	0.00	0.00	0.00	0.00	4,402.69
4. IBA	6	11,025	2,158	0.00	0.00	254.10	0.00	0.00	0.00	0.00	254.10
5. SAN ANTONIO	14	26,944	5,800	0.00	2,451.26	1,724.01	0.00	0.00	0.00	0.00	4,175.27
6. SAN FELIPE	10	14,065	3,017	0.00	1,775.40	1,166.35	0.00	357.96	0.00	0.00	3,299.72
7. SAN MARCELINO	18	36,598	7,568	0.00	5,784.05	1,301.55	1,087.26	642.35	0.00	553.19	9,388.40
8. SAN NARCISO	18	22,891	4,893	0.00	3,991.08	2,144.42	0.00	0.00	0.00	0.00	6,135.50
9. SUBIC	4	10,083	2,053	0.00	0.00	295.62	0.00	0.00	0.00	0.00	295.62

Note: Population and Household figures were taken from the 1990 Census of Population by the National Statistics Office

**AFFECTED/THREATENED BARANGAYS, POPULATION AND HOUSEHOLDS  
PER MUNICIPALITY**

(Estimates based on NRO-3 GIS Database and on Pinatubo Volcano Lahar Hazard Map)  
September 17, 1992

Province/ Municipality	Affected Barangays			Affected Areas (in Hectares)							
	Number	1990 Population	1990 Number of Households	Prone to Bank Erosion	Prone to Lahar Deposition	Prone to Flooding/ Siltation	Covered by 1991 Pyroclastic Deposit	Covered by Remobilized Ashfall	Pinatubo Crater	Pinatubo Lake	Total
INATUBO STUDY AREA	595	1,351,976	239,605	1,348.41	76,947.65	37,525.63	16,603.11	2,564.75	447.56	584.05	136,021.16
ATAAN	27	42,676	7,904	0.00	35.50	328.51	0.00	0.00	0.00	0.00	364.01
DINALUPIHAN	11	12,222	2,120	0.00	34.42	0.56	0.00	0.00	0.00	0.00	34.98
HERMOSA	2	5,139	892	0.00	1.08	35.65	0.00	0.00	0.00	0.00	36.73
ORANI	14	25,315	4,892	0.00	0.00	292.30	0.00	0.00	0.00	0.00	292.30
JACAN	5	12,185	2,207	0.00	0.00	71.95	0.00	0.00	0.00	0.00	71.95
CALUMPIT	5	12,165	2,207	0.00	0.00	71.95	0.00	0.00	0.00	0.00	71.95
JEVA ECija	16	30,058	5,454	0.00	2,287.60	4,518.99	0.00	0.00	0.00	0.00	71.95
CABIAO	5	10,571	1,740	0.00	44.68	2,640.06	0.00	0.00	0.00	0.00	6,806.59
SAN ANTONIO	6	13,221	2,474	0.00	2,044.22	1,878.93	0.00	0.00	0.00	0.00	2,684.74
CAFIAGOSA	5	6,266	1,240	0.00	198.70	0.00	0.00	0.00	0.00	0.00	3,923.15
MPANGA	328	831,184	143,100	1,348.41	21,538.80	21,360.45	3,094.83	1,430.30	7.64	0.00	48,780.43
NGELES CITY	18	97,962	18,815	718.31	0.00	394.59	366.72	0.00	0.00	0.00	1,479.62
PALIT	4	18,752	3,286	0.00	0.00	157.89	0.00	0.00	0.00	0.00	157.09
RAYAT	18	39,180	6,490	0.00	0.00	604.78	0.00	0.00	0.00	0.00	604.78
ACOLOR	19	64,512	11,000	0.00	4,828.51	255.54	0.00	0.00	0.00	0.00	5,084.05
ANDABA	10	18,405	2,997	0.00	0.00	1,790.73	0.00	0.00	0.00	0.00	1,790.73
LORIDABLANCA	23	46,323	8,072	25.54	1,495.19	1,030.20	8.80	313.73	0.00	0.00	2,873.46
UAGUA	25	69,835	12,053	0.00	1,935.53	283.00	0.00	0.00	0.00	0.00	2,218.53
JBAO	25	64,495	11,027	0.00	543.83	2,361.13	0.00	0.00	0.00	0.00	2,904.96
ABALACAT	12	28,375	5,001	0.32	2,828.31	0.00	54.44	122.86	0.00	0.00	3,005.83
MACABEBE	7	10,331	1,747	0.00	58.90	429.81	0.00	0.00	0.00	0.00	489.71
MAGALANG	7	13,266	2,195	0.00	2,950.30	0.03	0.00	0.00	0.00	0.00	2,950.33
IASANTOL	16	19,872	3,352	0.00	0.00	663.14	0.00	0.00	0.00	0.00	663.14
TEXICO	39	65,694	10,616	358.37	1,851.10	3,669.28	0.00	0.00	0.00	0.00	5,898.75
IINALIN	14	31,193	5,054	0.00	286.14	1,807.69	0.00	0.00	0.00	0.00	2,093.83
ORAC	23	49,534	8,259	245.87	1,084.00	169.46	2,664.87	993.71	7.64	0.00	5,165.55
AN FERNANDO	9	57,426	10,083	0.00	157.97	1,440.29	0.00	0.00	0.00	0.00	1,598.26
AN LUIS	12	18,342	2,955	0.00	28.66	776.00	0.00	0.00	0.00	0.00	804.72
AN SIMON	7	14,477	2,381	0.00	158.77	440.24	0.00	0.00	0.00	0.00	599.01
ANTA ANA	10	21,457	3,426	0.00	206.66	1,676.54	0.00	0.00	0.00	0.00	1,943.20
ANTA RITA	10	28,296	4,774	0.00	1,897.87	0.00	0.00	0.00	0.00	0.00	1,897.87
ANTA TOMAS	7	33,309	6,039	0.00	0.00	1,218.54	0.00	0.00	0.00	0.00	1,218.54
ISMUAN	13	21,148	3,486	0.00	1,167.06	2,111.51	0.00	0.00	0.00	0.00	3,278.57
AC	100	250,065	42,735	0.00	29,084.14	0.00	534.35	122.99	0.00	0.00	29,741.48
IBAN	13	33,452	5,796	0.00	2,057.59	0.00	468.87	122.99	0.00	0.00	2,649.45
AS	16	54,350	9,327	0.00	7,460.02	0.00	65.48	0.00	0.00	0.00	7,525.50
ICEPCION	45	103,146	17,092	0.00	15,551.29	0.00	0.00	0.00	0.00	0.00	15,551.29
IZ	8	17,443	3,101	0.00	928.66	0.00	0.00	0.00	0.00	0.00	928.66
LAC	18	41,674	7,419	0.00	3,086.58	0.00	0.00	0.00	0.00	0.00	3,086.58
ALES	119	185,808	38,197	0.00	24,001.61	11,245.73	12,973.93	1,011.46	439.92	584.05	50,256.70
OLAN	28	33,094	6,356	0.00	7,583.61	2,264.48	11,886.67	11.15	439.92	30.86	22,216.69
ANGAN	6	4,355	889	0.00	108.71	0.00	0.00	0.00	0.00	0.00	108.71
TILLEJOS	15	26,753	5,453	0.00	2,307.50	2,095.19	0.00	0.00	0.00	0.00	4,402.69
ANTONIO	6	11,025	2,158	0.00	0.00	254.10	0.00	0.00	0.00	0.00	254.10
FELIPE	14	26,944	5,800	0.00	2,451.26	1,724.01	0.00	0.00	0.00	0.00	4,175.27
VARCELINO	10	14,065	3,017	0.00	1,775.40	1,166.36	0.00	0.00	0.00	0.00	3,299.72
NARCISO	18	36,598	7,568	0.00	5,784.05	1,301.55	1,087.26	642.35	0.00	553.19	9,366.40
	4	22,891	4,893	0.00	3,991.08	2,144.42	0.00	0.00	0.00	0.00	295.62
	4	10,093	2,063	0.00	0.00	295.62	0.00	0.00	0.00	0.00	295.62

Allision and Household figures were taken from the 1990 Census of Population by the National Statistics Office

**List of Barangays In The Pinatubo Volcano Lahar Hazard Map (Quadrant 3)**

(Note: Estimated based on NBO III GIS)

Province/Municipality Barangay (Number/Name)	1990 Population	1990 Number of Household	Estimated Area of Barangay (In Hectares)	Affected Areas (in Hectares)							
				Prone to Bank Erosion	Prone to Lahar Deposition	Prone to Flooding/ Saturation	Covered by 1991 Pyroclastic Deposit	Covered by Remobilized Ashfall	Pinatubo Crater	Pinatubo Lake	Total
SANTA ROSA, NUEVA ECIJA	37,010	6,687	7,333.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 COJUANGCO (POB.)	2007	373	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 LA FUENTE	3528	617	1,310.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 MALJOLIO	4554	795	1,941.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 RAJAL CENTRO	1378	252	1,414.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 RAJAL NORTE	1254	236	30.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 RAJAL SUR	1527	203	294.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 SAN GREGORIO	5115	941	93.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8 SAN GREGORIO	5115	941	14.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 SAN MARIANO	4035	706	12.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 SAN MARIANO	4035	706	21.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 SAN PEDRO	1940	381	740.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 STO. ROSARIO	2462	470	1,459.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZAHAGOSA, NUEVA ECIJA	25,365	4,813	6,259.65	0.00	198.70	0.00	0.00	0.00	0.00	0.09	198.70
1 BATTANG	2318	436	1,084.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 CARMEN	1990	360	679.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 CONCEPCION	2830	551	466.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 DEL PILAR	2334	430	148.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 GENERAL LUNA	1325	233	102.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 H. ROMERO	398	80	419.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 MACARSE	1266	248	323.64	0.00	50.61	0.00	0.00	0.00	0.00	0.00	50.61
8 MANAUL	755	135	710.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 MAYAMOT	781	163	412.66	0.00	53.35	0.00	0.00	0.00	0.00	0.00	53.35
10 PANTOC	785	140	521.36	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00
11 SAN ISIDRO	4153	779	105.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 SAN VICENTE (POB.)	1243	232	92.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 STA. CRUZ	962	173	302.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14 STO. ROSARIO OLD	1505	293	175.88	0.00	1.72	0.00	0.00	0.00	0.00	0.00	1.72
15 STO. ROSARIO YOUNG	2405	472	596.34	0.00	57.01	0.00	0.00	0.00	0.00	0.00	57.01
16 VALERIANA	308	64	116.59	0.00	36.91	0.00	0.00	0.00	0.00	0.00	36.91
ANGELES CITY	236,505	46,421	8,333.59	718.31	0.00	394.59	306.72	0.00	0.00	0.00	1,479.63
1 A. DEL ROSARIO	3894	756	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 AMSIC	3528	704	238.60	25.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00
3 ANUNAS	5939	1108	949.51	91.17	0.00	0.00	0.00	0.00	0.00	0.00	91.17
4 BALIDIAGO	29791	6500	203.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 CAPAYA	4392	769	165.76	34.37	0.00	111.02	0.00	0.00	0.00	0.00	145.39
6 CLARIO M. BECTO	6453	1317	187.00	52.00	0.00	2.77	0.00	0.00	0.00	0.00	55.57
7 CUAYAN	920	179	910.21	136.02	0.00	0.00	0.00	0.00	0.00	0.00	136.02
8 CUTCUT	17453	3579	146.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 CUTUD	1290	210	292.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 LOURDES NORTH WEST	11534	2267	52.69	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.65
11 LOURDES SUR	6519	1245	21.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 LOURDES SUR EAST	6549	1166	33.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 MALABANIAS	10050	3670	92.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14 MAROOT	2452	431	135.26	10.47	0.00	0.00	0.00	0.00	0.00	0.00	10.47
15 MINING	1122	197	230.58	0.00	0.00	26.72	0.00	0.00	0.00	0.00	26.72
16 NINO AQUINO (MARISOL)	11098	2190	110.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17 PAMPANG	5727	1023	102.57	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.46
18 PANDAN	7585	1334	97.44	72.05	0.00	9.08	0.00	0.00	0.00	0.00	81.13
19 PULONG CACUTUD	1681	316	222.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20 PULONG MARAGUL	8649	1859	151.92	7.53	0.00	0.00	0.00	0.00	0.00	0.00	7.53
21 PULUNGBU	10295	1895	349.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22 SALAPUNGAN	6049	1280	209.50	18.89	0.00	101.03	0.00	0.00	0.00	0.00	119.92
23 SAN JOSE	6940	1283	91.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24 SAN NICOLAS	3532	713	97.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 SANTO ROSARIO (POB.)	4105	734	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26 SAPALIBUTAD	2812	481	217.36	7.41	0.00	98.16	0.00	0.00	0.00	0.00	105.57
27 SAPANGBATO	9477	1793	2,179.21	135.10	0.00	0.00	306.72	0.00	0.00	0.00	502.82
28 STA. TERESITA	11690	2325	55.86	4.81	0.00	0.00	0.00	0.00	0.00	0.00	4.81
29 STA. TRINIDAD	5887	1082	116.17	25.87	0.00	0.00	0.00	0.00	0.00	0.00	25.87
30 STA. CRISTO	3057	729	112.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31 STA. DOMINGO	14869	2029	221.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32 TABUN	1515	275	105.83	60.02	0.00	45.81	0.00	0.00	0.00	0.00	105.83
33 V. DELOS REMEDIOS	1551	331	44.09	34.03	0.00	0.00	0.00	0.00	0.00	0.00	34.03
ABAYAT, PAMPANGA	73,189	12,100	11,942.03	0.00	0.00	664.78	0.00	0.00	0.00	0.00	664.78
1 ARENAS	1901	317	388.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 BALITI	1294	220	244.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 BATASAN	1422	235	189.74	0.00	0.00	52.40	0.00	0.00	0.00	0.00	52.40
4 BUENSUCESO	747	124	471.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 CANDATING	3052	545	813.42	0.00	0.00	58.83	0.00	0.00	0.00	0.00	58.83
6 GATIJIWAN	3124	407	659.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 GUEMASAN	2501	416	72.28	0.00	0.00	5.90	0.00	0.00	0.00	0.00	5.90
8 KALEDIAN (CAMBA)	2644	449	181.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 LA PAZ (TURU)	420	89	743.44	0.00	0.00	21.43	0.00	0.00	0.00	0.00	21.43
10 LACMIT	3307	535	514.85	0.00	0.00	83.59	0.00	0.00	0.00	0.00	83.59
11 LAQUIDUS	1713	260	37.42	0.00	0.00	25.17	0.00	0.00	0.00	0.00	25.17
12 MANGA-CACUTUD	6475	1050	78.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 MAPALAD	2099	344	1,421.76	0.00	0.00	22.10	0.00	0.00	0.00	0.00	22.10
14 PANLINLANG	1491	236	709.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15 PARALAYA	1427	201	35.67	0.00	0.00	12.85	0.00	0.00	0.00	0.00	12.85
16 PLAZANG LUMA	3047	650	198.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17 POBLACION	2917	542	33.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18 SAN AGUSTIN NORTE	2333	381	74.14	0.00	0.00	2.78	0.00	0.00	0.00	0.00	2.78
19 SAN AGUSTIN SUR	1002	184	37.50	0.00	0.00	5.10	0.00	0.00	0.00	0.00	5.10
20 SAN ANTONIO	1722	299	523.31	0.00	0.00	1.65	0.00	0.00	0.00	0.00	1.65
21 SAN JOSE MESULO	3511	591	114.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22 SAN JUAN BANO	4459	727	890.21	0.00	0.00	85.02	0.00	0.00	0.00	0.00	85.02
23 SAN MATEO	3470	534	649.52	0.00	0.00	154.10	0.00	0.			

#### List of Barangays In The Pinatubo Volcano Lahar Hazard Map (Quadrant 3)

*Note:* Estimated based on HHO III dist.

# List of Evacuation Centers in The Pinatubo Volcano Lahar Hazard Map

(Quadrant 3)  
September 17, 1992

Province/Municipality Evacuation Center (Number/Name)	Barangay	Capacity (Number of Persons)	Number of Wells	Number of Toilets
ANGELES CITY				
1 Lourdes North West E/S	LOURDES NORTH WEST	15,190	7	6
2 Gueco Balibago E/S	BALIBAGO	84	1	1
3 Pandan Elem. School	PANDAN	79	2	2
4 Oregon St. Tent City	MARGOT	106	2	1
5 Anunes Tent City	CUYAN	339	-	-
6 Cutcut Tent City	SAN JOSE	503	-	-
7 Nopomuceno Elem. School	A. DEL ROSARIO	254	-	-
8 Old City Hall Tent City	V. DELOS REMEDIOS	84	1	1
9 Sto. Domingo Tent City	PULUNGBULU	2612	-	-
10 San Jose Tent City	PULUNGBULU	280	-	-
11 Pandan City Center	SALAPUNGANG	42	-	-
12 New City Hall Tent City	BALIBAGO	1892	-	-
13 TB Pavilion Tent City	SALAPUNGANG	916	-	-
14 Honeonville Tent City	CLARO M. RECTO	143	-	-
15 Honeonville Evacuation Center	STA. TERESITA	105	-	-
16 Villa Rosario Tent City	V. DELOS REMEDIOS	26	-	-
17 Melabanas Oval	CLARO M. RECTO	4308	-	-
18 Bolis Compound Tent City	STA. TRINIDAD	1060	-	-
19 Lourdes Northwest Elementary School	STA. TRINIDAD	-	-	-
20 Sta. Trinidad Tent City	STA. TRINIDAD	53	-	-
21 Claro M. Recto E/S	STA. TRINIDAD	68	-	-
22 Clemente Deyrit E/S	LOURDES SUR EAST	84	1	1
23 Kalayaan Tent City	NINOY AQUINO (MARISOL)	466	-	-
24 PMR Lourdes Elementary School	STA. TRINIDAD	1325	-	-
25 NINOY AQUINO (MARISOL)	201	-	-	-
ARAYAT, PAMPANGA				
1 San Nicolas E/S	SAN NICOLAS	950	10	10
2 Sta. Lucia Elem.	SANTA LUCIA MATAMO	400	7	5
3 San Juan Elem. School	SAN JUAN BANO	20	1	1
MABALACAT, PAMPANGA				
1 Tabun Tent	TABUN	1,098	19	5
2 Dolores Elementary School	DOLORES	106	-	-
3 Dolores Tent Mabalacat	DOLORES	-	12	-
4 Mabalacat Central Elementary School	POBLACION	492	-	-
5 Oregon St. Tent City	LAKANDULA	-	2	-
6 Mabigas Elementary	LAKANDULA	-	-	-
7 Manggill E/S	MANGALIT	200	2	2
MAGALANG, PAMPANGA				
1 Sto. Rosario Elem.	SANTO ROSARIO	1,118	9	12
2 Santa Maria E/S	SANTA MARIA	250	4	3
3 San Miguel E/S	SAN MIGUEL	100	2	4
4 San Agustin Elementary	SAN AGUSTIN	300	1	2
5 Balas Magalang	SAN AGUSTIN	150	2	3
6 Ayala Tent City	SAN AGUSTIN	-	-	-
7 Pampanga Agricultural College	SAN AGUSTIN	318	-	-
MEXICO, PAMPANGA				
1 San Juan Elem. School	SAN JUAN	500	1	4
SANTA ANA, PAMPANGA				
1 San Roque E/S	SAN ROQUE	947	5	11
2 San Agustin P/S	SAN AGUSTIN	132	2	5
3 Santiago E/S	SANTIAGO	265	1	2
4 Santa Lucia E/S	SANTA LUCIA	530	1	3
50		20	1	1
BAMBAN, TARLAC				
1 Anupul Elem. School	ANUPUL	424	3	3
2 Central Azucarera De Tarlac	ANUPUL	424	1	1
3 Rolling Hills	ANUPUL	-	-	-
4 Bamban Central Elementary School	ANUPUL	-	-	-
5 Grotto	ANUPUL	-	2	2
CAPAS, TARLAC				
1 Pagasa	STO. ROSARIO	2,146	4	4
2 Anupul Tent City	STO. ROSARIO	-	-	-
3 Sto. Domingo Elem. School	SANTO DOMINGO	-	-	-
4 Manicpug E/S	MANLAPIO	1060	2	2
5 Capas West Central School	O	424	-	-
6 Sta. Julian Elementary School	O'DONNELL	662	2	2
CONCEPCION, TARLAC				
1 Jatinin Elementary School	SANTIAGO	4,122	9	9
2 NIA	SANTIAGO	-	-	-
3 Saint Jude	SANTIAGO	-	-	-
4 Concepcion North Elementary School	SAN NICOLAS (POB.)	-	-	-
5 Sto. Nino Academy	GREEN VILLAGE	-	-	-
6 North Sports Complex	SANTO NINO	-	-	-
7 Aquino Memorial High School	GREEN VILLAGE	200	2	3
8 Concepcion West Central School	DUNGAN	3127	-	-
TARLAC, TARLAC				
1 NOLCOM Camp Aquino	SAN FRANCISCO	1,436	-	-
2 Concepcion South Central School	PAO	541	-	-
3 Asturias E/S	ASTURIAS	795	-	-

Note: The list includes only evacuation centers whose locations were verified by the NRO III GIS.  
Figures used were taken from the Regional Disaster Coordinating Council III.

## QUADRANT 4

AFFECTED/THREATENED BARANGAYS, POPULATION AND HOUSEHOLDS  
PER MUNICIPALITY(Estimates based on NRO-3 GIS Database and on Pinatubo Volcano Lahar Hazard Map)  
September 17, 1992

Province/ Municipality	Affected Barangays				Affected Areas (in Hectares)						
	Number	1990 Population	1990 Number of Households	Prone to Bank Erosion	Prone to Lahar Deposition	Prone to Flooding/ Siltation	Covered by 1991 Pyroclastic Deposit	Covered by Remobilized Ashfall	Pinatubo Crater	Pinatubo Lake	Total
INATUBO STUDY AREA	595	1,351,976	239,605	1,348.41	76,947.65	37,525.63	16,603.11	2,564.75	447.56	584.05	136,021.10
ATAAN	27	42,676	7,904	0.00	35.50	328.51	0.00	0.00	0.00	0.00	364.01
DINALUPIHAN	11	12,222	2,120	0.00	34.42	0.56	0.00	0.00	0.00	0.00	34.95
HERMOSA	2	5,139	892	0.00	1.08	35.65	0.00	0.00	0.00	0.00	35.73
ORANI	14	25,315	4,892	0.00	0.00	292.30	0.00	0.00	0.00	0.00	292.30
UJACAN	5	12,185	2,207	0.00	0.00	71.95	0.00	0.00	0.00	0.00	71.95
CALUMPIT	5	12,185	2,207	0.00	0.00	71.95	0.00	0.00	0.00	0.00	71.95
UEVA ECIJA	16	30,058	5,454	0.00	2,287.60	4,518.99	0.00	0.00	0.00	0.00	6,806.59
CABIAO	5	10,571	1,740	0.00	44.68	2,640.06	0.00	0.00	0.00	0.00	2,694.74
SAN ANTONIO	6	13,221	2,474	0.00	2,044.22	1,878.93	0.00	0.00	0.00	0.00	3,923.15
ZARAGOSA	5	6,266	1,240	0.00	198.70	0.00	0.00	0.00	0.00	0.00	198.70
AMPANGA	328	831,184	143,108	1,348.41	21,538.80	21,360.45	3,094.83	1,430.30	7.64	0.00	48,780.43
ANGELES CITY	18	97,062	18,815	718.31	0.00	394.59	366.72	0.00	0.00	0.00	1,479.62
APALIT	4	10,752	3,286	0.00	0.00	157.89	0.00	0.00	0.00	0.00	157.89
ARAYAT	18	39,100	6,490	0.00	0.00	664.78	0.00	0.00	0.00	0.00	664.78
BACOLOR	19	64,512	11,000	0.00	4,828.51	255.54	0.00	0.00	0.00	0.00	5,084.05
CANDABA	10	18,405	2,997	0.00	0.00	1,790.73	0.00	0.00	0.00	0.00	1,790.73
FLORIDABLANCA	23	46,323	8,072	25.54	1,495.19	1,030.20	8.80	313.73	0.00	0.00	2,873.45
GUAGUA	25	69,835	12,053	0.00	1,935.53	283.00	0.00	0.00	0.00	0.00	2,218.53
LUBAO	25	64,495	11,027	0.00	543.83	2,361.13	0.00	0.00	0.00	0.00	2,904.96
MABALACAT	12	28,375	5,001	0.32	2,828.31	0.00	54.44	122.86	0.00	0.00	3,005.93
MACABEBE	7	10,331	1,747	0.00	58.90	429.81	0.00	0.00	0.00	0.00	488.71
MAGALANG	7	13,266	2,195	0.00	2,950.30	0.03	0.00	0.00	0.00	0.00	2,950.33
MASANTOL	16	19,872	3,352	0.00	0.00	663.14	0.00	0.00	0.00	0.00	663.14
MEXICO	39	65,694	10,616	358.37	1,851.10	3,689.28	0.00	0.00	0.00	0.00	5,898.75
MINALIN	14	31,193	5,054	0.00	286.14	1,807.69	0.00	0.00	0.00	0.00	2,093.83
PORAC	23	48,534	8,259	245.07	1,084.00	169.46	2,664.47	993.71	7.64	0.00	5,165.55
SAN FERNANDO	9	57,426	10,083	0.00	157.97	1,440.29	0.00	0.00	0.00	0.00	1,598.26
SAN LUIS	12	18,342	2,955	0.00	28.66	776.06	0.00	0.00	0.00	0.00	804.72
SAN SIMON	7	14,477	2,381	0.00	158.77	440.24	0.00	0.00	0.00	0.00	589.01
SANTA ANA	10	21,457	3,426	0.00	266.66	1,676.54	0.00	0.00	0.00	0.00	1,943.20
SANTA RITA	10	26,296	4,774	0.00	1,897.87	0.00	0.00	0.00	0.00	0.00	1,897.87
SANTO TOMAS	7	33,309	6,039	0.00	0.00	1,216.54	0.00	0.00	0.00	0.00	1,216.54
SASMUAN	13	21,148	3,486	0.00	1,167.06	2,111.51	0.00	0.00	0.00	0.00	3,278.57
TARLAC	100	250,065	42,735	0.00	29,084.14	0.00	531.35	122.99	0.00	0.00	29,741.48
BAMBAN	13	33,452	5,796	0.00	2,057.59	0.00	461.87	122.99	0.00	0.00	2,649.45
CAPAS	16	54,350	9,327	0.00	7,460.02	0.00	654.48	0.00	0.00	0.00	7,525.50
CONCEPCION	45	103,146	17,092	0.00	15,551.29	0.00	0.00	0.00	0.00	0.00	15,551.29
LA PAZ	8	17,443	3,101	0.00	928.66	0.00	0.00	0.00	0.00	0.00	928.66
TARLAC	18	41,674	7,419	0.00	3,086.58	0.00	0.00	0.00	0.00	0.00	3,086.58
IMBALES	119	185,008	38,197	0.00	24,001.61	11,245.73	12,973.93	1,011.46	439.92	591.05	50,256.70
BOTOLAN	28	33,094	6,356	0.00	7,583.61	2,264.48	11,886.67	11.15	439.92	30.06	22,216.69
CABANGAN	6	4,355	889	0.00	108.71	0.00	0.00	0.00	0.00	0.00	108.71
CASTILLEJOS	15	26,753	5,453	0.00	2,307.50	2,095.19	0.00	0.00	0.00	0.00	4,402.69
IBA	6	11,025	2,158	0.00	0.00	254.10	0.00	0.00	0.00	0.00	254.10
SAN ANTONIO	14	20,944	5,800	0.00	2,451.26	1,724.01	0.00	0.00	0.00	0.00	4,175.27
SAN FELIPE	10	14,065	3,017	0.00	1,775.40	1,166.36	0.00	357.96	0.00	0.00	3,299.72
SAN MARCELINO	18	36,598	7,568	0.00	5,784.05	1,301.55	1,087.26	642.35	0.00	553.19	9,359.40
SAN NARCISO	18	22,891	4,893	0.00	3,991.08	2,144.42	0.00	0.00	0.00	0.00	6,135.50
SUBIC	4	10,093	2,063	0.00	0.00	295.62	0.00	0.00	0.00	0.00	295.62

e: Population and Household figures were taken from the 1990 Census of Population by the National Statistics Office

List of Barangays in The Pinatubo Volcano Lahar Hazard Map (Quadrant 4)

Note: Estimates based on NRO III GIS

Province/Municipality Barangay (Number/Name)	1990 Population	1990 Number of Households	Estimated Area of Barangay (in Hectares)	Affected Areas (in Hectares)							
				Prone to Bank Erosion	Prone to Lahar Deposition	Prone to Flooding/ Siltation	Covered by 1991 Pyroclastic Deposit	Covered by Bomlobilized Ashfall	Pinatubo Crater	Pinatubo Lava	Total
SAMAL, BATAN	15,005	2,943	3,112.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 EAST DAANG BAGO (POB.)	1017	179	54.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 GUDO	1110	215	761.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 IBABA (POB.)	1010	339	85.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 IMELDA	1045	205	1,640.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 LALAWIANG	2554	448	309.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 SAN JUAN (POB.)	2743	509	169.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 SAN ROCHE (POB.)	1172	226	9.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8 STA. LUCIA	1653	303	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 TABING-ILOG	1022	343	25.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 WEST DAANG BAGO (POB.)	606	171	29.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALUMPIT, BULACAN	59,042	10,825	4,551.54	0.00	0.00	71.95	0.00	0.00	0.00	0.00	0.00
1 BALITE	1115	297	50.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.95
2 BAUNGAO	2733	500	123.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 BUGUION	3705	340	230.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 BULUSAN	1439	266	188.92	0.00	0.00	12.46	0.00	0.00	0.00	0.00	0.00
5 CALIZON	1411	245	159.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.45
6 CALUMPANG	2097	387	14.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 CANIOGAN	2122	422	102.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8 CORAZON	1840	340	25.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 FRANCES	3457	629	193.90	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.00
10 GATBUCA	4589	818	202.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 GUGO	898	145	272.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.54
12 IBA ESTE	1500	297	82.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 IBA OESTE	3250	572	197.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14 LONGOS	1400	334	7.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15 MEYSULAO	1567	292	40.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16 MEYTO	2371	414	121.59	0.00	0.00	17.03	0.00	0.00	0.00	0.00	0.00
17 PALIBANG	1630	343	91.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18 PAHUCOT	1413	202	39.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.03
19 PIO CRUZCOSA	1765	326	68.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.69
20 POBLACION	2041	406	63.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21 PUHGO	3711	658	224.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22 SAN JOSE	3033	573	390.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 SAN MARICOS	1412	255	28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24 SAN MIGUEL	3520	620	100.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 SAPANG BAYAN	1244	227	852.59	0.00	0.00	21.45	0.00	0.00	0.00	0.00	0.00
26 SERGIO BAYAN	801	165	49.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.45
27 STA. LUCIA	1402	270	350.26	0.00	0.00	12.47	0.00	0.00	0.00	0.00	0.00
28 STO. NINO	1350	255	232.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29 SUCOL	1139	219	17.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.47
ITAL, PAMPANGA	62,373	10,853	6,609.35	0.00	0.00	157.89	0.00	0.00	0.00	0.00	0.00
1 BALUCUC	6029	1120	1,232.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	157.89
2 CALANTIP	2129	360	1,144.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 CANSINALA	4503	821	331.27	0.00	0.00	38.18	0.00	0.00	0.00	0.00	0.00
4 CAPALANGAN	5026	881	422.63	0.00	0.00	22.45	0.00	0.00	0.00	0.00	0.00
5 COLGANTE	4556	879	384.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 PALIGUI	1101	185	154.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.45
7 SAMPALOG	5089	857	232.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8 SAN JUAN (POB.)	5057	965	105.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 SAN VICENTE	14544	2543	257.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 SUCAD	3736	638	302.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 SULIPAN	3995	718	347.19	0.00	0.00	5.10	0.00	0.00	0.00	0.00	0.00
12 TABUYUC (STO. ROSARIO)	5228	886	1,714.46	0.00	0.00	92.13	0.00	0.00	0.00	0.00	5.10
ACOLO, PAMPANGA	67,299	11,470	6,994.03	0.00	4,828.51	255.54	0.00	0.00	0.00	0.00	0.00
1 BALAS	1771	306	111.23	0.00	111.23	0.00	0.00	0.00	0.00	0.00	5,004.05
2 CABALANTIAN	11150	1998	484.58	0.00	222.26	71.42	0.00	0.00	0.00	0.00	111.23
3 CABAMBANGAN (POB.)	1463	253	39.88	0.00	39.88	0.00	0.00	0.00	0.00	0.00	293.60
4 CABETICAN	4886	819	166.43	0.00	166.43	0.00	0.00	0.00	0.00	0.00	39.88
5 CALIBUTUT	1780	300	357.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166.43
6 CONCEPCION	1586	263	104.37	0.00	194.37	0.00	0.00	0.00	0.00	0.00	0.00
7 DOLORES	1070	162	478.13	0.00	361.52	0.00	0.00	0.00	0.00	0.00	104.37
8 DUAT	1640	300	218.28	0.00	218.28	0.00	0.00	0.00	0.00	0.00	361.52
9 MACABAGLE	907	170	68.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	218.28
10 MAGLIMAR	1251	216	203.40	0.00	98.46	0.00	0.00	0.00	0.00	0.00	0.00
11 MALIWALU	1856	200	1,067.95	0.00	1,040.99	0.00	0.00	0.00	0.00	0.00	0.00
12 MESALIPIT	568	100	249.72	0.00	65.60	184.12	0.00	0.00	0.00	0.00	0.00
13 PAHULOG	1970	321	156.03	0.00	156.83	0.00	0.00	0.00	0.00	0.00	1,040.99
SAN ANTONIO	4024	766	303.24	0.00	363.24	0.00	0.00	0.00	0.00	0.00	240.72
SAN ISIDRO	5719	887	255.38	0.00	256.38	0.00	0.00	0.00	0.00	0.00	155.83
SAN VICENTE	6373	1077	141.31	0.00	141.31	0.00	0.00	0.00	0.00	0.00	256.38
SANTA BARBARA	2991	507	243.53	0.00	243.53	0.00	0.00	0.00	0.00	0.00	136.53
SANTA INES	3441	617	336.35	0.00	336.35	0.00	0.00	0.00	0.00	0.00	141.31
TALBA	2005	403	353.13	0.00	353.13	0.00	0.00	0.00	0.00	0.00	243.53
TINAJERO	5012	853	294.16	0.00	294.16	0.00	0.00	0.00	0.00	0.00	335.35
NDABA, PAMPANGA	60,145	11,260	19,424.72	0.00	0.00	1,790.73	0.00	0.00	0.00	0.00	0.00
**UNKNOWN			5,813.27	0.00	0.00	1,395.44	0.00	0.00	0.00	0.00	1,790.73
BAHAY PARAE	6905	1102	170.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,395.44
BAMBANG	1689	272	186.40	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00
BARANGA	1064	151	152.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
DUAS (POB.)	1280	219	730.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CUAYAN BUGTONG	1592	251	126.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ULAYAP	1318	210	1,164.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DULONG ILLOG	1240	213	589.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ULAP	2491	410	782.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LANANG	2334	355	459.29	0.00	0.00	45.48	0.00	0.00	0.00	0.00	0.00
LOURDES	1811	297	836.25	0.00	0.00	87.34	0.00	0.00	1.00	0.00	0.00
MAGUMBALI	1700	261	98.51	0.00	0.00	0.00	0.00	0.00	1.00	0.00	43.48
MANDASIG	1415	230	215.05	0.00	0.00	0.00	0.00	0.00	1.00	0.00	87.34
MANDILU	2534	422	597.33	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
MANGGA	3014	470	347.99	0.00	0.00	95.53	0.00	0.00	1.00	0.00	0.00
MAPANIQUI	1760	337	375.30	0.00	0.00	0.11	0.00	0.00	1.00	0.00	0.00
ALQUI	2856	432	1,138.50	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.11
ANGCLARA	904	150	572.93	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
ANSINAO	1670	269	135.76	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
ARALAYA (POB.)	4230	637	95.07	0.00	0.00	11.24	0.00	0.00	1.00	0.00	0.00
ASIG	3028	521	230.01	0.00	0.00	17.29	0.00	0.00	1.00	0.00	11.24

Numbering of Barangay correspond to those shown in the Table I.

... can be more easily seen in the Labor Market Map.

List of Barangay The Pinatubo Volcano Lahar Hazard Map (Quadrant 4)

Note: Estimates based on NRO III GIS

List of Evacuation Centers in The Pinatubo Volcano Lahar Hazard Map  
 (Quadrant 4)  
 September 17, 1992

Province/Municipality Evacuation Center (Number/Name)	Barangay	Capacity (Number of Persons)	Number of Wells	Number of Toilets
HERMOSA, BATAAN				
1 Maite E/S	MAITE	265	3	4
2 Culis ES	CULIS	53		1
3 Saba Pr.	SABA	106	1	1
4 Balsik ES	BALSIK	53	1	1
53		53	1	1
ORANI, BATAAN				
1 Talimundoc EDs	TALIMUNDOC	88	5	5
2 Tugatog E/S	TUGATOG	26	1	2
3 Apollo E/S	APOLLO	31	2	2
31		31	2	2
SAMAL, BATAAN				
1 Lalawigan ES	LALAWIGAN	211	3	4
2 West Daang Bago E/S	WEST DAANG BAGO (POB.)	132	1	2
79		79	2	2
APALIT, PAMPANGA				
1 Paligui E/S	PALIGUI	1,030	1	7
2 Sucad E/S	SUCAD	30	1	1
1000		1000		6
BACOLOR, PAMPANGA				
1 Bangkal Maliwalu	MALIWALU	2,169	8	6
2 Maliwalu Elementary School	MALIWALU	150		
3 Maliwalu Tent City	MALIWALU	1579	3	3
4 Concepcion Elem. School	CONCEPCION			
5 Dolores Tents	DOLORES	75	1	1
6 Dolores Elem. School	DOLORES	190		
7 Cabalantian Elem. School	CABALANTIAN	75	1	1
8 Tinajero E/S	TINAJERO	100	1	1
100		2		
FLORIDABLANCA, PAMPANGA				
1 San Pedro E/S	SAN PEDRO	4,258	5	8
2 Santa Monica E/S	SANTA MONICA	30	1	1
3 Sta. Monica Elem. School	SANTA MONICA	477	1	2
4 San Isidro E/S	SAN ISIDRO	530	1	2
5 San Jose Porp. P/S	SAN JOSE	20	1	1
6 Project Siluugar Bunk House	SAN JOSE	265	1	2
7 Consuelo Tent City	BASA AIR BASE	2936		
2936				
GUAGUA, PAMPANGA				
1 Jose Abad Santos E/S	JOSE ABAD SANTOS	650	4	14
2 San Isidro E/S	SAN ISIDRO	60		4
3 San Juan Nepomuceno E/S	SAN JUAN NEPOMUCENO	500	1	5
4 San Juan E/S	SAN JUAN BAUTISTA	70	2	4
20		20	1	1
LUBAO, PAMPANGA				
1 Santiago Elem.	SANTIAGO	1,166		
2 Sta. Cruz Cent. Elementary	SANTA CRUZ	36	1	3
3 Sta. Catalina Elem. School	SANTA CATALINA	100	3	14
4 San Roque	SAN ROQUE DAU	530	2	2
500		500	2	4
MACABEBE, PAMPANGA				
1 Tacasan E/S	TACASAN	530	1	4
530		530	1	4
MASANTOL, PAMPANGA				
1 Sta. Cruz P/S	SANTA CRUZ	20	1	1
20		20	1	1
MEXICO, PAMPANGA				
1 San Juan Elem. School	SAN JUAN	500	1	4
500		500	1	4
MINALIN, PAMPANGA				
1 Sta. Rita E/S	STA. RITA	106	1	2
106		106	1	2
PORAC, PAMPANGA				
1 Dolores Elem.	DOLORES	3,907	5	6
2 Planas Tent City	PLANAS	300	5	6
3 Carigatba Market Site	PULUNG SANTOL	2501		
4 Poblacion Elem. School	BABO SACAN	60		
5 Balubad Evacuation Center	PIAS	58		
980		980		

Note: The list includes only evacuation centers whose locations were verified by the NIRO III GIS.  
 Figures used were taken from the Regional Disaster Coordinating Council III.

List of Evacuation Centers in The Pinatubo Volcano Lahar Hazard Map

(Quadrant 4)  
September 17, 1992

Province/Municipality Evacuation Center (Number/Name)	Barangay	Capacity (Number of Persons)	Number of Wells	Number of Toilets
SAN FERNANDO, PAMPANGA		8,836	7	8
1 San Juan Elem.	SAN JUAN	12	1	1
2 San Fernando E/S	SAN FERNANDO (POBLACION)	26	2	2
3 Sindalan Elem. School	SINDALAN	471	-	-
4 Panipuan Elem.	PANIPUAN	300	3	3
5 PC Compound	SAN PEDRO	95	-	-
6 Malimpis Tent (Gov't. Center)	MALIMPIAN	1632	-	-
7 Alasas Chapel	ALASAS	90	-	-
8 Quebiawan E/S	QUEBIAWAN	30	1	2
9 San Isidro Elementary School	QUEBIAWAN	307	-	-
10 Sto. Domingo Village Evacuation Center	SAN ISIDRO	180	-	-
11 Tent Sulo!	DEL ROSARIO	153	-	-
12 Malimpis Elem. School	SAN ISIDRO	106	-	-
13 Del Rosario Tent	DEL ROSARIO	2570	-	-
14 Dela Paz Norte Elementary School/Tent	DE LA PAZ NORTE	302	-	-
15 Saquin Tent City	DE LA PAZ NORTE	-	-	-
16 Seguin Tent City	LARA	784	-	-
17 Lara Elementary School	LARA	254	-	-
18 Del Rosario Elementary School	DEL ROSARIO	561	-	-
19 Pilar Village Tent	SAN ISIDRO	402	-	-
20 Sindalan Elementary School	DEL ROSARIO	471	-	-
SAN LUIS, PAMPANGA		901	5	23
1 Santa Rita E/S	SANTA RITA	106	1	2
2 Santa Cruz E/S	SANTA CRUZ (POB.)	159	1	1
3 San Carlos Elem. School	SAN CARLOS	539	2	2
4 San Roque E/S	SAN ROQUE	106	1	10
SAN SIMON, PAMPANGA		100	4	6
1 San Isidro E/S	SAN ISIDRO	30	1	1
2 Santa Monica E/S	SANTA MONICA	50	2	4
3 Santo Nino E/S	SANTO NINO	20	1	1
SANTA ANA, PAMPANGA		947	5	11
1 San Roque E/S	SAN ROQUE	132	2	5
2 San Agustin P/S	SAN AGUSTIN	265	1	2
3 Santiago E/S	SANTIAGO	530	1	3
4 Santa Lucia E/S	SANTA LUCIA	20	1	1
SANTA RITA, PAMPANGA		60	0	4
1 San Matias E/S	SAN MATIAS	60	-	4
SASMUAN, PAMPANGA		209	2	2
1 San Pedro Elem. School	SAN PEDRO	193	1	1
2 Sto. Tomas Elem. School	SANTO TOMAS	100	1	1

Note: The list includes only evacuation centers whose locations were verified by the NRC III GIS.

Figures used were taken from the Regional Disaster Coordinating Council III.

Int: 40