SHORE LINE/RIVERS AND CREEKS DELINEATION

(1)





ATTRIBUTE DATA DESCRIPTION:

ARC ATTRIBUTE TABLE (AAT)	
1	
COVERAGE NAME: SHORE LINE/RIVERS AND CREEKS DELINEATION	
COVERAGE NAME:	

DATA INFORMATION SHEET

- DESCRIPTION: This layer contains the delineation of the shoreline and rivers/creeks within the area covered.
- FILENAME: SLUTM
- FILESIZE: 2.1 MB
- S. FEATURE REPRESENTATION: Lines
- SOFTWARE USED: PC Arcinfo was used to build the data base while AuroCad was used to digitize graphic feature.

Defines the ACAD layer where features will be placed when transferred to CAD station. It also provides textual description for codes listed above.

Numeric codes that enables the suppression of some rivers and creeks features at the Delta area. The values are as follows:

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SLUTM ID

Rivers Newdelta

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DXF_LAYER

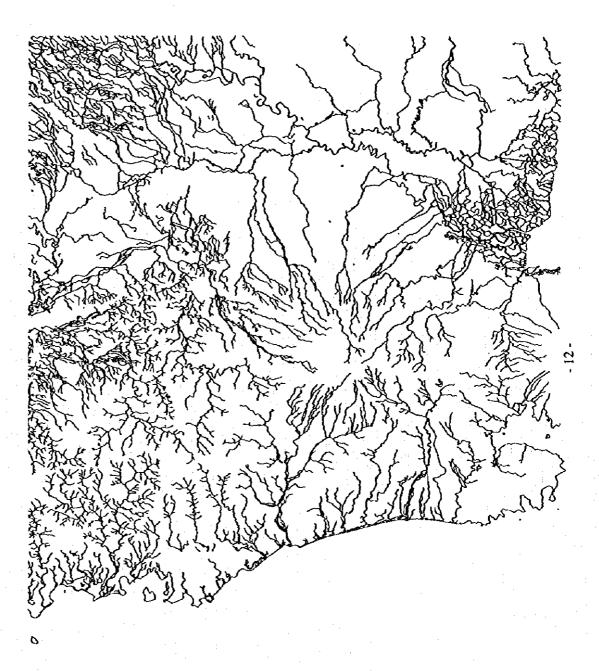
- EQUIPMENT USED: The Kurta XLC (36" x 48") with resolution of up to 1279 points per inch and accuracy of ±0.01 inch mm was used to digitize the layer.
- DATE CREATED: 1992
- PRODUCER: The MPE-PMO of the Department of Public Works and Highways, and Louis Berger International, Inc.
- 10. PROPRIETOR: The MPR-PMO of the DPWH which took over the function of the MPE-PMO.
- AVAILABILITY: The data may be made available at the discretion of the Program Director.

: 2

- AREA COVERAGE: The data covers the province of Pampanga and portions of the provinces of Tarlac, Zambales, Nueva Ecija, Bulacan and Bataan. This area corresponds to the features delineated in the 18 Quad Sheets from coordinates 119°45' longitude 14°45' latitude to 121°00' longitude 15°45' latitude.
- DIGITIZING PROCEDURE: The data was digitized from the shoreline and rivers/streeks delineation as defined in the quad maps. The data in its original form was digitized using an assumed datum. The coverage, however, was later transformed to UTM Zone 51 coordinate

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 SOUNCE(S) OF DATA: Shoreline and rivers/creeks delineation were taken from the 1:50,000 scale USDMA maps revised in 1987 and NAMRIA maps updated in 1977.



BASIN AND SUB-BASIN DRAINAGE DIVIDES DELINEATION

DATA INFORMATION SHEET

9

COVERAGE NAME: BASIN AND SUB-BASIN DRAINAGE DIVIDES DELINEATION

ATTRIBUTE DATA DESCRIPTION:

COVERAGE NAME: BASIN AND SUB-BASIN DRAINAGE DIVIDES DELINEATION	ARC ATTRIBUTE TABLE (AAT)	(AAT)		
DESCRIPTION: This layer contains the delineation of the various the drainage divides of major rivers within the study area. Selected sub-basins having significant deposits of lahar wete also delineated.	BASIN_ID	z.		Numeric codes to identify whether the arc represents a basin or sub-basin boundary. The values for this code is as follows;
FILENAME: BASIN				1 Basin Boundary 2 Sub-basin Boundary
FILESTZE: 83.6 KB FEATURE REPRESENTATION: Polygons, lines, annotations	CLASS	U	អ	Textual description of the codes listed above.
SOFTWARE USED: PC Arctato was used to build the data base while AutoCad was used to digitize graphic features.	POLYGON ATTRIBUTE TABLE (PAT)	ABLE (PA	Ŀ	
EQUIPMENT USED: The Kurta XLC (36" x 48") with resolution of up to 1279 points per inch and accuracy of ±0.01 inch mm was used to digitize the layer.	BASIN_CODE N	4	۰	Numeric codes to differentiate between a Basin polygon and a sub-basin polygon. Values are as follows:
DATE CREATED: 1992	•			10xx - Basin Polygon 20xx - Sub-basin Polygon
PRODUCER: The MPE-PMO of the Department of Public Works and Highways, and Louis Berger International, foc.				where xx are numbers from 0.99.
PROPRIETOR: The MPR-PMO of the DPWH which took over the function of the MPE-PMO.	BASIN_NAME	U ,	ጸ	Contains the name of the Basin/sub-basin being represented by the polygon.

SOURCE(S) OF DATA: The data was obtained from drainage device boundaries delineated by the consultant using the topographic data on the 15' Quad maps. The 1:50,000 scale maps were from the US Defense Mapping Agency (USDMA), where available, and NAMRIA. USDMA maps used were from those revised in 1987 while NAMRIA maps were from those updated in 1977.

AREA COVERAGE: The data covers the province of Pampanga and portions of the provinces of Tarlac, Zambales, Nueva Ecija, Bulacan and Bartan. This area corresponds to the features delineated in the 18 Quad Sheets from coordinates 119°45' longitude i4°45' latitude to 121°00' longitude 15°45' latitude.

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

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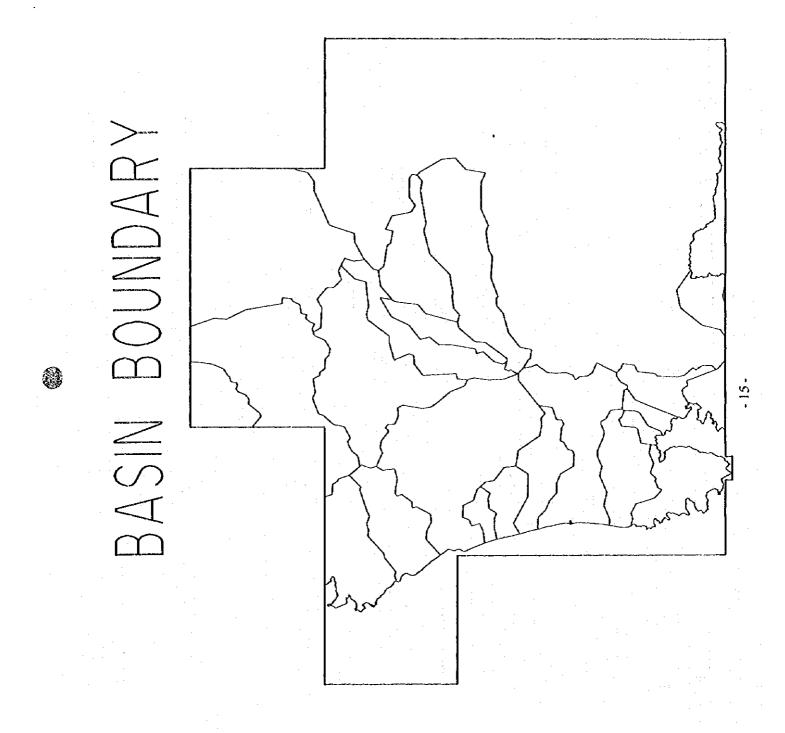
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• o. DIGITIZING PROCEDURE: The data was digitized from boundaries delineated using topographic data in the Quad maps described in item 12 above. The data was digitized directly into the UTM coordinate system (zone 51) using appropriate tic coordinates as control points.

Digitizing software was AutoCad.

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PYROCLASTIC FLOW DEPOSIT

DATA INFORMATION SHEET

ATTRIBUTE DATA DESCRIPTION:

e	V 3 0 Numeric code assigned to define what each polygon represents. The values are as follows:
ARC ATTRIBUTE TABLE (AAT	ß
COVERAGE NAME: <u>PYROCLASTIC FLOW DEPOS</u> IT	DESCRIPTION: This layer contains the delineation of areas covered by pyroclastic deposit as a result of the 1991 eruption.

		JON: Polygons
FILENAME: PED	FILESIZE: 255.9 KB	FEATURE REPRESENTATION: Polygons

Pyroclastic flow deposit Island polygons Pinatubo crater Pinatubo łake

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Textual description of codes listed above.

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EQUIPMENT USED	1	DATE CREATED:

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	Region
	NEDA
	PRODUCER:

PROPRIETOR: NEDA Region III/PHIVOLCS ္ခဲ

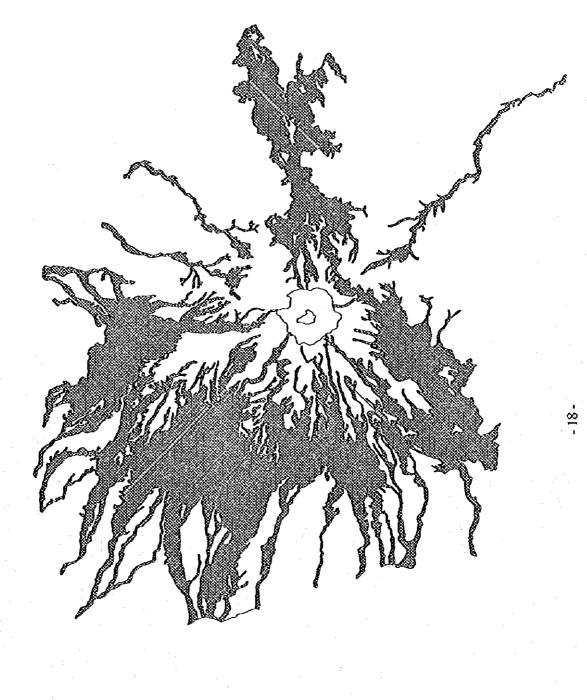
AVAILABILITY: Ξ

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DIGITIZING PROCEDURE: ü

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



ISOPACH LINES FOR ASHFALL DEPOSIT

ATTRIBUTE DATA DESCRIPTION:

DATA INFORMATION SHEET

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- COVERAGE NAME: ISOPACH LINES FOR ASHFALL DEPOSIT
- DESCRIPTION: This layer contains the 1991 isopach lines for airborne ash deposits based on field measurements conducted by PHIVOLCS.
- FILENAME: ISOUTM
- FILESIZE: 16.0 KB
- FEATURE REPRESENTATION: Lines
- SOFTWARE USED: PC Arcinfo was used to digitize graphic features and build the data base
- EQUIPMENT USED: The Kurta XLC (36" x 48") with resolution of up to 1279 points per inch and accuracy of ±0.01 inch turn was used to digitize the layer.
- DATE CREATED: 1992
- PRODUCER: The MPE-PMO of the Department of Public Works and Highways, and Louis Berger International, Inc.
- PROPRIETOR: The MPR-PMO of the DPWH which took over the function of the MPE-PMO. င္က
- AVAILABILITY: The data may be made available at the discretion of the Program Director.

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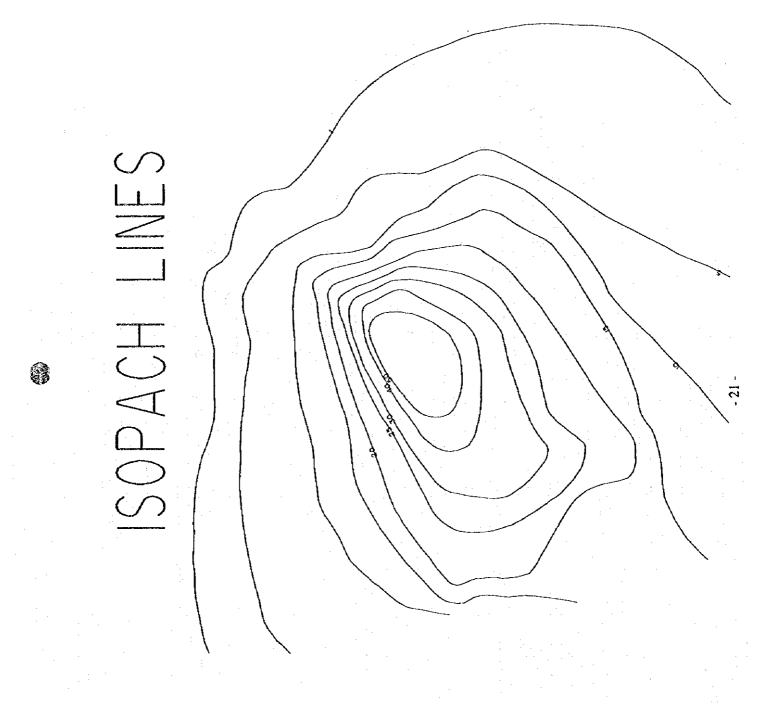
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- AREA COVERAGE: The data covers the province of Pampanga and portions of the provinces of Tarlac, Zambales, Nueva Ecija, Bulacan and Bataan. This area corresponds to the features delineated in the 18 Quad Sheets from coordinates 119°45' longitude 14°45' latitude to 121°00' longitude 15°45' latitude.
- DIGITIZING PROCEDURE: The data was digitized from a lahar map published by PHIVOLCS. The data in its original form was digitized using an assumed datum. The coverage, however, was later transformed to UTM Zone 51 coordinate system. €.
- SOURCE(S) OF DATA: The data was obtained from a folded map indicating the areas affected by the 1991 lahar episode published by PHIVOLCS in 1992. 4

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Contains numeric values corresponding to the depth of airborne ash deposits delineated by the isopach lines. Values are from 1 to 50 cm., in 5 cm. increments.



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LAHAR AFFECTED AREAS

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DATA INFORMATION SHEET

ATTRIBUTE DATA DESCRIPTION:

		Numeric codes to identify which lahar episode affected the areas delineated by the polygons. Values are as follows:	
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LE (PAT		e Z	
POLYGON ATTRIBUTE TABLE (PAT)		B	
COVERAGE NAME: LAHAR AFFECTED AREAS	DESCRIPTION: This layer contains the delineation of areas affected by the 1991 and 1992 lahar	episodes. Filename: <u>lakar92</u>	
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~;	FILENAME: LABARO2	
	FILESIZE: 397.5 KB	
v.	FEATURE REPRESENTATION: Polygons	
vi	SOFTWARE USED: PC Arelnso was used to build the data base while AutoCad was used to	

Additional areas affected by the 1992 lahar episode

Textual description of codes listed above. Island polygons

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Areas affected by the 1991 lahar episode

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			up to 1279 poi	
			h resolution of	e laver
			36" x 48") with	d to divitize th
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	digitize graphic feature.		EQUIPMENT USED: The Kurta XLC (36" x 48") with resolution of up to 1279 points per inch	and accuracy of ±0.01 inch mm was used to divitize the layer.
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DATE CREATE		PRODUCER:

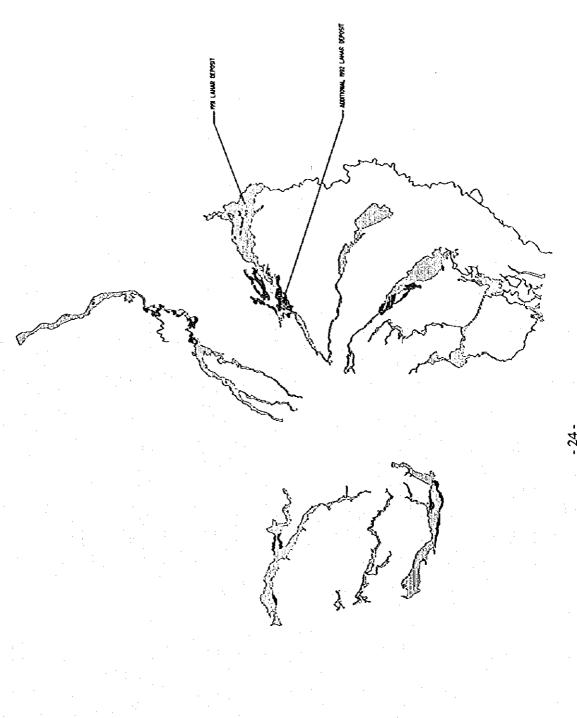
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RODUCER: The MPR-PMO of the Department of Public Works and Highways, and Serger International, Inc.	
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The MPR-PMO mal. Inc.	MPR-PMO
PRODUCER: The Berger International,	PROPRIETOR: MPR-PMO
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AVAILABILITY: The data may be made available at the discretion of the Program Director.	AREA COVERAGE: The data covers the province of Pampanga and portions of the provinces of Tarlas, Zambales, Nueva Ecija, Bulacan and Batzan. This area corresponds to the features clineated in the 18 Quad Sheets from coordinates 119°45' longitude 14°45' latitude to 121°00' longinde 15°55' latitude to 121°00'
AVAILABIL	AREA COV of Tartac, 2 delineated in
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67	DIGITIZING PROCEDURE: The data was digitized from hand drawn delineation provided by	The data w	as digitize	d from h	and drawn de	iwn delineation provided by	wided by	
	PHIVOLCS. The data was digitized directly into the UTM coordinate system (zone 51) using the	itized direct	ly into the	E S	ordinate syst	m (zone 51)	using the	
	appropriate 1000 m UTM grid intersections as control points. Digitizing software was AutoCad.	intersection	S as contro	ol points.	Digitizing s	oftware was /	AutoCad.	

SOURCE(S) OF DATA: The data was based hand drawn delineation made to a sheet 1:75,000 scale base maps provided by the MPR-PMO in early 1993	y PHIVOLCS on		
	SOURCE(S) OF DATA: The data was based hand drawn delineation made by PHIVOLCS on	a 4 sheet 1:75,000 scale base maps provided by the MPR-PMO in early 1993.	

1991 AND ADDITIONAL 1992 LAHAR DEPOSITS



MUDFLOW HAZARD ZONE



ATTRIBUTE DATA DESCRIPTION:

Numeric codes to identify type of hazard will likely affect the areas delineated by the polygons. Values are

as follows: 8

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Textual description of the codes listed above.

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DESC

fsland polygons

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Prone primarily to flooding Prone primarily to lanar

POLYGON ATTRIBUTE TABLE (PAT)		г х
COVERAGE NAME: MUDELOW HAZARD ZONE	DESCRIPTION: This layer contains the delineation of areas likely to be affected by future lahar	episoses.

episodes.		•	•

Polygons
FEATURE REPRESENTATION:

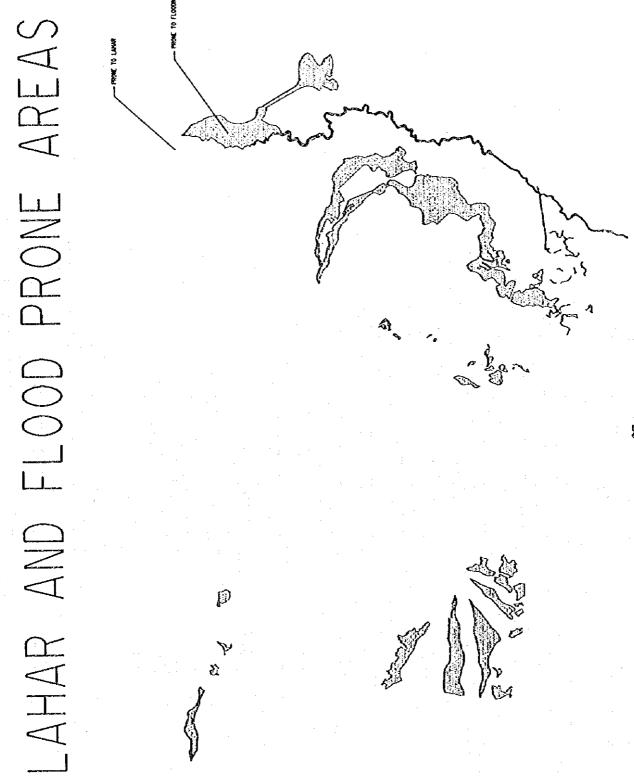
FILESIZE: 331.0 KB

AVAILABILITY:

DIGITIZING PROCEDURE: 2

SOURCE(S) OF DATA: This layer was based on digital data obtained from PHIVOLCS through NEDA Region III. 4

AREA COVERAGE: The data covers the province of Pampanga and portions of the provinces of Tarlac, Zambales, Nueva Ecija, Bulacan and Bataan. This area corresponds to the features delineated in the 18 Quad Sheets from coordinates 119% fongitude 14% latitude to 121000 longitude 15% Taritude.



JICA/BSWM MUDFLOW HAZARD MAP





DATA INFORMATION SHEET

ATTRIBUTE DATA DESCRIPTION:

COVERAGE NAME: <u>IICA/BSWM MUDELOW HAZARD MAP</u>	POLYGON ATTRIBUTE TABLE (PAT)	TABLE (PAT)	
DESCRIPTION: This layer contains the delineation of the different zones of varying levels of risk from lahar attacks based on studies conducted by the Japan International Cooperation Agency and the Bureau of Soils and Warer Management. River wash areas, representing new and existing	MF_CODE	Z	m	
floodplains, were also identified.				

Numeric codes assigned to polygons to indicate the risks it represents. Values are as follows:

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Textual description of the codes listed above.

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DESC

Low risk area River wash Very high risk area Non risk High risk

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FILESTZE: 212.2 KB

FEATURE REPRESENTATION: Polygon

SOFTWARE USED:

EQUIPMENT USED:

DATE CREATED: 1992

PRODUCER: Bureau of Soils and Water Management (BSWM)/Japan International Cooperation Agency (JICA)

PROPRIETOR: BSWM/JICA <u>⊙</u>

AVAILABILITY:

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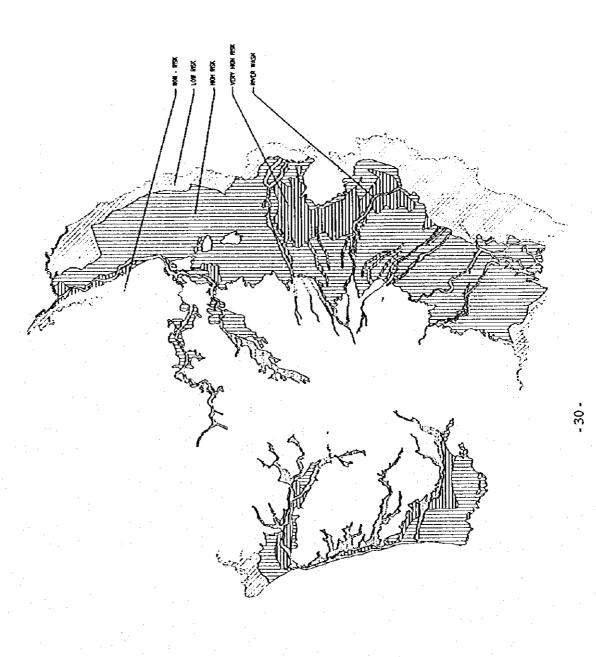
AREA COVERAGE: The data covers risk areas in the province of Pampanga and portions of the provinces of Tarlac, Zambales, Nueva Ecija, Bulacan and Bataan. ဌ

DIGITIZING PROCEDURE: ij

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SOURCE(S) OF DATA: The data was obtained in digital format from BSWM. The data was projected to UTM coordinates from the original PTM coordinates.

JICA/BSWM VERSION MUDFLOW HAZARD



LAND USE VEGETATION

DATA INFORMATION SHEET

ATTRIBUTE DATA DESCRIPTION:

Numeric codes assigned to identify each major landuses. Code values are as follows:

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CLASS

Agricultural areas Grassland/Shrubland areas Woodland areas Wedland areas Miscellaneous Textual description of the codes listed above.

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DESC

POLYGON ATTRIBUTE TABLE (PAT)

E: LAND USE VEGETATION	his layer contains the major land use categories in the study area.
COVERAGE NAME: 1	DESCRIPTION: 1
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FILENAME: LANDUSE

FILESIZE: 215.3 KB

FEATURE REPRESENTATION: Polygons

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

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

DATE CREATED: 1992

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

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

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

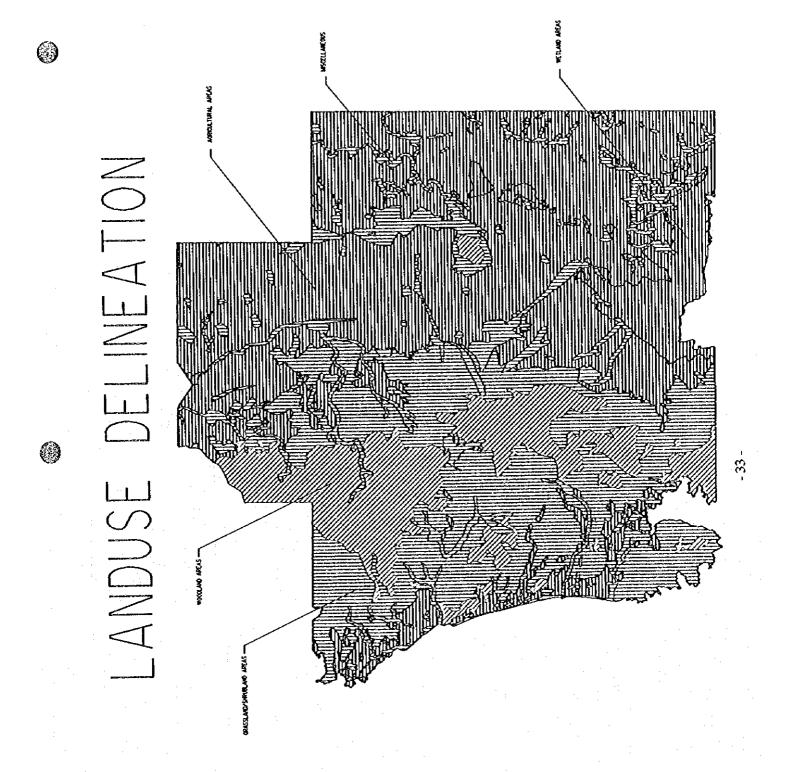
AREA COVERAGE: The data covers the province of Pampanga and portions of the provinces of Tarles, Zambales, Nueva Ecija, Bulacan and Baraan. This area corresponds to those delineated by the 18 Quad Sheets from coordinates 119°45' longitude 14°45' latitude to 121°00' longitude 15°45' latitude.

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DIGITIZING PROCEDURE: The data was digitized from a blueprint of a landuse vegetation map. The data in its original form was digitized using an assumed datum. The coverage, bowever, was later transformed to UTM Zone 51 coordinate system.

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 SOURCE(S) OF DATA: The data was lifted from a folded blue print of a landuse vegetation map produced by the Bureau of Soils and Water Management in 1988. The scale of the original map is 1:250,000.



ETTLEMENT/EVACUATION SITES LOCATION OF RESI









ATTRIBUTE DATA DESCRIPTION:

COCATION OF RESETTLEMENT/EVACUATION SITES	
COVERAGE NAME: 1	

DATA INFORMATION SHEET

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POINT ATTRIBUTE TABLE (PAT)

çi,	DESCRIPTION: This layer oc	V: This layer contains	the location	of resettlement and ev	d evacuation si	ξ ¥	ichin ch	•		
	area coverage.								6	

RESETT
FILENAME:

- FILESIZE: 79.7 KB
- FEATURE REPRESENTATION: Points
- SOFTWARE USED: PC ArcInfo was used to build the data base while AutoCad was used to digitize graphic feature.
- EQUIPMENT USED: The Kurta XLC (36" \times 48") with resolution of up to 1279 points per inch and accuracy of ± 0.01 inch mm was used to digitize the layer.
- DATE CREATED: 1993
- PRODUCER; The MPR-PMO of the Department of Public Works and Highways, and Louis Berger International, Inc.
- PROPRIETOR: MPR-PMO ö
- AVAILABILITY: The data may be made available at the discretion of the Program Director. ::
- AREA COVERACE: The data covers the province of Pampanga and portions of the provinces of Tarlac, Zambaies, Nueva Ecija, Bulacan and Bataan. This area corresponds to the features delineated in the 18 Quad Sheets from coordinates 119°45' longitude 14°45' latitude to 121°00' longitude 15°45' latitude.

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DIGITIZING PROCEDURE: The data was digitized from hand drawn delineation provided by the USAID Mt. Pinanbo Relief and Rehabilitation Office. The data was digitized directly into the UTM coordinate system (zone 51) using the appropriate 1000 m UTM grid intersections as commol points. Digitaring software was AutoCad.

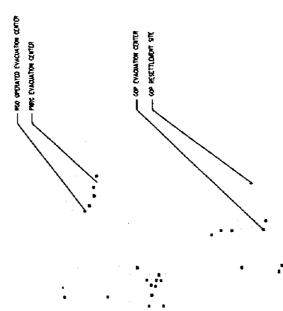
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SOURCE(S) OF DATA: The data was based hand drawn delineation made by the USAID Mt. Pinatubo Relifed and Rehabilitation Office on a 4 sheet 1:75,000 scale base maps provided by the MPR-PMO in early 1993. ż

Numeric code that will provide linkage to an external database." to be provided by the USAID Mt. Pinatubo Relief and Rehabilitation Office. Values ranges from 1 to 74.	Numeric codes that determines public/private sector entities responsible in maintaining the facilities. Values are as follows:	GOP Resettlement Site	- GOP Evacuation Site	- PNRC Resettlement/ Evacuation Site	NGO Resettlement/ Evacuation Site	Textual description of the code TYPE	Name of the Resettlement/Evacuation sites
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z	Z					ပ	U
B	ТҮРЕ					DESC	NAME

The data base has not been provided to date.

EVACUATION 8 RESETTLEMENT SITES



BASIN AND SUB-BASIN DELINEATION FOR THE ABACAN AND SACOBIA-BAMBAN RIVERS



DATA INFORMATION SHEET

ATTRIBUTE DATA DESCRIPTION:

COVERAGE NAME: BASIN AND SUB-BASIN DELINEATION FOR THE ABACAN AND SACOBIA-BAMBAN RIVERS	ARC ATTRIBUTE TABLE (AAT)	E (AAT)			
DESCRIPTION: This layer contains the delineation of the Abacan and Sacobia-Bamban Rivers drainage divides. Sub-basins have were also delineated.	CINE_ID	Z	14	0	Nume basin as foli
FILENAME: BASINBDY				•	-
FILESIZE: 32.5 KB					~
FEATURE REPRESENTATION: Lines	DXF_LAYER	Ų,	អ		Define

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SOFTWARE USED: PC Arcinto was used to boild the data base while AutoCad was used to digitize graphic features.

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

DATE CREATED: 1994

PRODUCER: Louis Berger International, Inc. for the JICA Team for the Study on Flood and Mudflow Control for the Sacobia-Bamban/Abacan Rivers Draining from Mr. Phnatubo.

PROPRIETOR: JICA Team for the Study on Flood and Mudflow Control for the Sacobia-Bamban/Abacan Rivers Draining from Mt. Pinatubo.

Numeric codes to identify whether the arc represents a basin or sub-basin boundary. The values for this code is as follows:	1 Basin Boundary 2 Sub-basin Boundary	Defines the ACAD layer where feature will be placed when transferred to a CAD station. It also provides textual description of the codes listed above.
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Z		O
CINE D		DXF_LAYER

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DIGITIZING PROCEDURE: The data was digitized from hand drawn delineation made by the IICA Study Team. It was digitized directly in the UTM Zone 51 coordinate system using LATLON grid intersections as control points. Digitizing software was AutoCad.

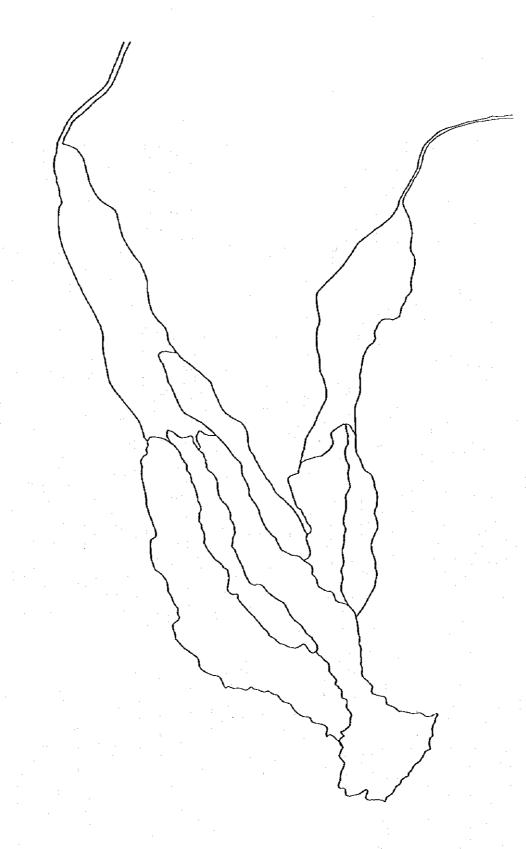
AREA COVERAGE: The data covers the vicinity of Sacobia-Bamban/Abacan Rivers.

AVAILABILITY:

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SACOBIA-BAMBAN/ABACAN RIVER BASIN



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LOCATION OF SABO DAMS



DATA INFORMATION SHEET

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COVERAGE NAME: LOCATION OF SABO DAMS	POLYGON ATTRIBUTE TABLE (PAT)	TE TABLE (PAT)		
DESCRIPTION: This layer delineates the location of sabo dams in the vicinity of Sacobia-Ramban and Abacan Rivers.	NAME	υ	· vs	0	Identifiers assigned to each sabo dams
	NDEG	Z	'n	0	Defines the Northings of sabo dam location
FILENAME: SABODAM	NIMN	Z	11	0	
	NSEC	Z.	7	0	
FILESIZE: 16.7 KB		;		•	
	EDEC	Z.	m	0	Defines the Eastings of Sano dam location
FEATURE REPRESENTATION: Points	EMIN	Z	ત્ય	0	
	ESEC	Z	н	0	

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

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

Σ. Σ.	and accuracy of ±0.01 inch mm was used to digitize the layer.
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and accuracy of ±0.01	
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DATE CREATED: 1994.

 PROPRIETOR: JICA Team for the Study on Flood and Mudflow Control for the Sacobia-	Flood and Mudflow Control for the Sacobia-
Bamban/Abacan Rivers Draining from Mt. Pinatubo.	ubo.

AVAILABILITY: É

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DIGITIZING PROCEDURE: The data was digitized from hand drawn delineation made by the JICA Study Team. It was digitized directly in the UTM Zone 51 coordinate system using LATLON grid intersections as control points. Digitizing software was AutoCad.

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SOURCE(S) OF DATA: The data was based sabo dams delineation made by the JICA Study Team on a 1:50,000 computer generated base map of the study area. 7

OCATION OF SABO DAMS

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SAMPLE MAPS

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