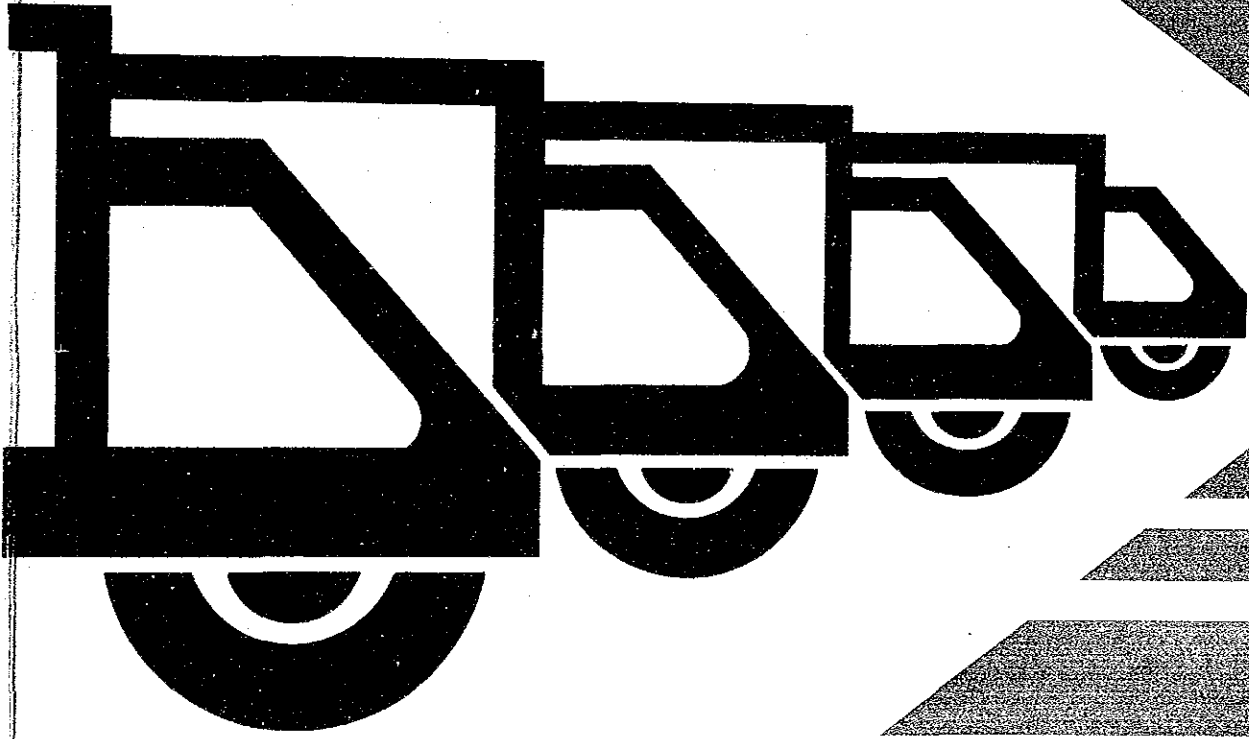


社会開発協力部報告書

GOVERNMENT OF THE KINGDOM OF THAILAND
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF LAND TRANSPORT

No. 8

FEASIBILITY STUDY
ON
THE PROJECT
OF
THE REGIONAL TRUCK TERMINALS



GOVERNMENT OF THE KINGDOM OF THAILAND
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF LAND TRANSPORT

FEASIBILITY STUDY ON THE PROJECT
OF THE REGIONAL TRUCK TERMINALS

FINAL REPORT
APPENDIX

JUNE 1988

FINAL REPORT
APPENDIX
JUNE 1988



JAPAN INTERNATIONAL COOPERATION AGENCY

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**GOVERNMENT OF THE KINGDOM OF THAILAND
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF LAND TRANSPORT**

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OF
THE REGIONAL TRUCK TERMINALS
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JAPAN INTERNATIONAL COOPERATION AGENCY



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Hat Yai/Songkhla Terminal *Berth Rent: B130,000/year,*
Gearing Ratio: 50/50 (Year 1989-2012)

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PERSPECTIVE VIEWS

Khon Kaen Truck Terminal

Hat Yai Truck Terminal

APPENDICES

APPENDIX 3

APPENDICES FOR CHAPTER 3



**QUESTIONNAIRE OF INTERVIEW SURVEY FOR
THE REGIONAL TRUCK TERMINALS**

DATE / /1987

AT: CHIANG MAI KHON KAEN
 SONGKLA HAT YAI
 NAKHON SAWAN NAKHON
RATCHASIMA

1-1 Name of Company:

1-2 Address:

Phone:

1-3 Capital:

thousand B

Number of Employees	Whole Company	In this Branch
Office Staff:		
Worker :		

1-4 Type of Your Business

Shipper Maker Wholesaler
 Trucking Company Warehousing Company
 Forwarder Co-op. Others

1-5 What business in truck transport that you offer (Multiple Answer)

Carries Forwarding
 Warehousing Packaging

1-6 Place of Head Office:

Number of Branch: _____, place: _____

1-7 Organization System (Chart)

Remark: "General Information" of your company, if have

2 QUESTIONNAIRE TO OWNER OF CARGO

2-1 Main Cargo Items and Annual Volume in 1986

Items	Volume (ton)
1 _____	_____
2 _____	_____
3 _____	_____
4 _____	_____
Total	_____

2-2 Seasonal Fluctuation of Shipment

Peak Period from _____ to _____

Off-Peak Period from _____ to _____

2-3 Destination of Cargo in 1986

Destination	Name of Cargo	Volume (ton)
1 _____	_____	_____
2 _____	_____	_____
3 _____	_____	_____
4 _____	_____	_____
Total		_____

2-4 Volume of Shipment by Modes in 1986

	Volume (ton)
1 Truck	_____
2 Rail	_____
3 Waterway	_____
4 Air	_____

2-5 Average Volume of one Shipment

Item	Average Volume
_____	_____

2-6 Origin of Arrival Goods (For Example: Raw Material, etc.)

Origin	Name of Cargo	Volume (ton)
1 _____	_____	_____
2 _____	_____	_____
3 _____	_____	_____
4 _____	_____	_____
Total		_____

2-7 Which Kind of Trucks Does Your Company Choose?

- Owned Trucks Business Carriers

Reason of Choice

2-8 Which Type of Business Is Your Consignee?

- | | |
|-------------------------------------|------------------------------------|
| <input type="checkbox"/> Maker | <input type="checkbox"/> Warehouse |
| <input type="checkbox"/> Wholesaler | <input type="checkbox"/> Retailer |
| <input type="checkbox"/> Exporter | <input type="checkbox"/> Middleman |
| <input type="checkbox"/> Market | <input type="checkbox"/> Others |

2-9 Distribution of Major Commodities

Commodities: _____



2-10 Do You Have Any Sidebusiness?

- Yes No

If You Answer Yes, Which Type of Business Do You Have?

2-11 Relation with Trucking Company (Settlement of Freight)

1 Method of Contraction

- Contraction through Year
 Each Time
 Other

2 Agreement of Freight

- Contraction through Year
 Each Time
 Other

2-12 Problems on Transportation Service

3 - 1

3 QUESTIONNAIRE TO TRUCKING COMPANY

3-1 Number of Trucks come in/go out your branch

(Unit:truck)

Maximum Load Type of Holding	less than 2-ton	2-4-ton	4-8-ton	8-12-ton	12-ton or more	Total
Owned						
Chartered						
Total						

3-2 Using Facility in Handling Space

A. Number of Handling Machines

Forklift	Beltconveyor	Other Handling Machines

B. Square Measure of Handling Space

(Unit:m²)

Office Space	Storage Space	Parking Space	Garage	Other	Total

3-3 Type of Trucking Business Licence Your Company Hold

3-4 Cargo Flow

Destiantion	Main Cargo	Annual or Daily Volume (ton)
to Bangkok		
to		
to		
to		
to		

Origin	Main Cargo	Annual or Daily Volume (ton)
from Bangkok		
from		
from		
from		
from		

3-5 Seasonal Fluctuation

Peak Period from _____ to _____

Off-Peak Period from _____ to _____

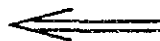
3-6 Most Commodities Packaging

Name of Commodity

Style of Package

_____ []
 _____ []
 _____ []

[1] Bag	[2] Carton
[3] Crate	[4] Can and/or Bottle
[5] Bare	[6] Basket [7] Others



3-7 Distribution Pattern

(for example)

3-8 Settlement of Rate

- A. Method of Contract Contract through Year
 Each Time
 Others
- B. Agreement of Rate Contract through Year
 Each Time
 Others

3-9 Relations with Other Trucking Companies

Is there any Cooperating System like a common fuel station, rest house and so on?

3-10 If Any Side Business, What Kind of Business?

3-11 Form of Employment and Labor Condition in this branch

- A. Number of Truck Operator (Unit:Man) B. Average Working Time Per Day (Unit:Hour)

	Long Distance Transport	Pick-up and Delivery		Long Distance Transport	Pick-up and Delivery
Driver			Driver		
Assistant			Assistant		
			Handling Worker		

C. Number of Handling Worker _____ (man)

D. Labor Condition

	Way of Payment	Average Wages
Driver	<input type="checkbox"/> Daily <input type="checkbox"/> A Week <input type="checkbox"/> A Month <input type="checkbox"/> Other	
Assistant	<input type="checkbox"/> Daily <input type="checkbox"/> A Week <input type="checkbox"/> A Month <input type="checkbox"/> Other	
Handling Worker	<input type="checkbox"/> Daily <input type="checkbox"/> A Week <input type="checkbox"/> A Month <input type="checkbox"/> Other	

3-13 Which Type of Communication Method Taken with Owner of Cargo or Your Branches?

- Telephone Telex Facsimile
 Computer Others _____

3-14 Necessity for More Facilities, If Any, Why, and Which Kind of Facilities

3-15 Problems on Trucking Business

4 QUESTIONNAIRE TO WAREHOUSING COMPANY

4-1 Type of Warehouse: General Cargo
 Refrigerator
 Others

Scale of Warehouse: Total _____ sq.m.; Place of Stock _____ sq.m.
 Handling Space _____ sq.m.; Other Space _____ sq.m.

4-2 Handling Facilities:

Forklift _____ units; Belt Conveyer _____ units

Truck: Light _____ units; Heavy _____ units

Others, if use _____

Pallet Use: Every Time Case by Case No

4-3 Main Storage Items: _____, _____, _____, _____

Annual Volume _____ cub.M. and/or _____ tons

4-4 Style of Package:

Bag _____ % Wooden Box _____ %
 Crate _____ % Can and/or Bottle _____ %
 Bare _____ % Others _____ %

4-5 Annual Volume: IN _____ cub.M. and/or _____ Weight Ton
 in 1986

OUT _____ cub.M. and/or _____ Weight Ton

4-6 Volume IN and OUT, Inventory by Month:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
IN to												
OUT from												
Inventory												

cub.Ton and/or Weight Ton

4-7 Type of Business of Main Shipper: _____
 from Origin (Place) _____
 Type of Business of Main Consignee: _____
 to Destination (Place) _____

4-8 Settlement of Rate:

Method of Contract: Contract through Year
 Each Time
 Others

Agreement of Rate : Contract through Year
 Each Time
 Others

4-9 Method of Communication between You and Your Branch/Shipper etc.

Telephone Telex Facsimile Computer
 Others _____

4-10 Side Business, If You Have,

Yes No

in case of "YES"

Trucking Company Shipper or Consignee Packing
 Exporter or Importer Forwarder Others _____

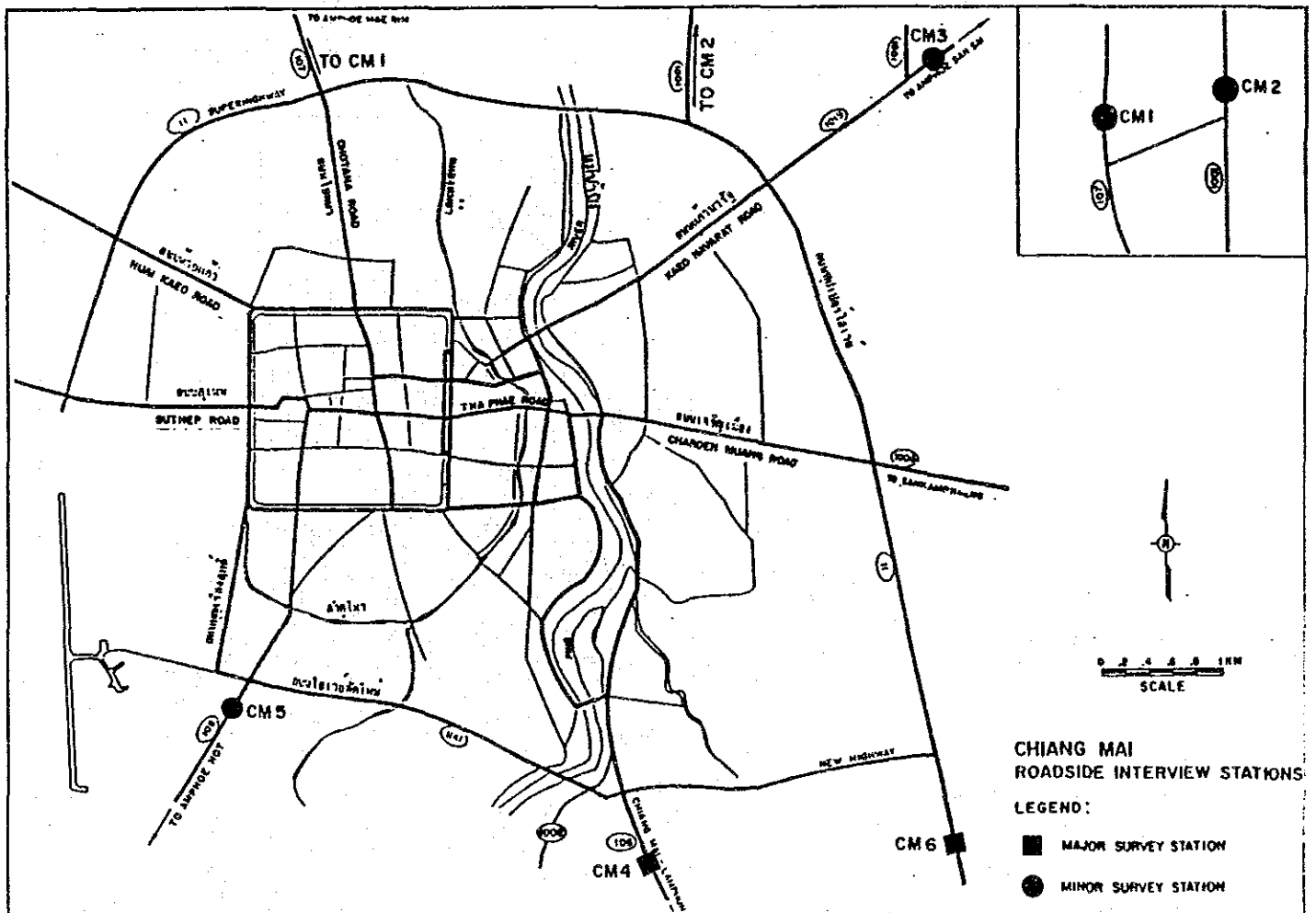
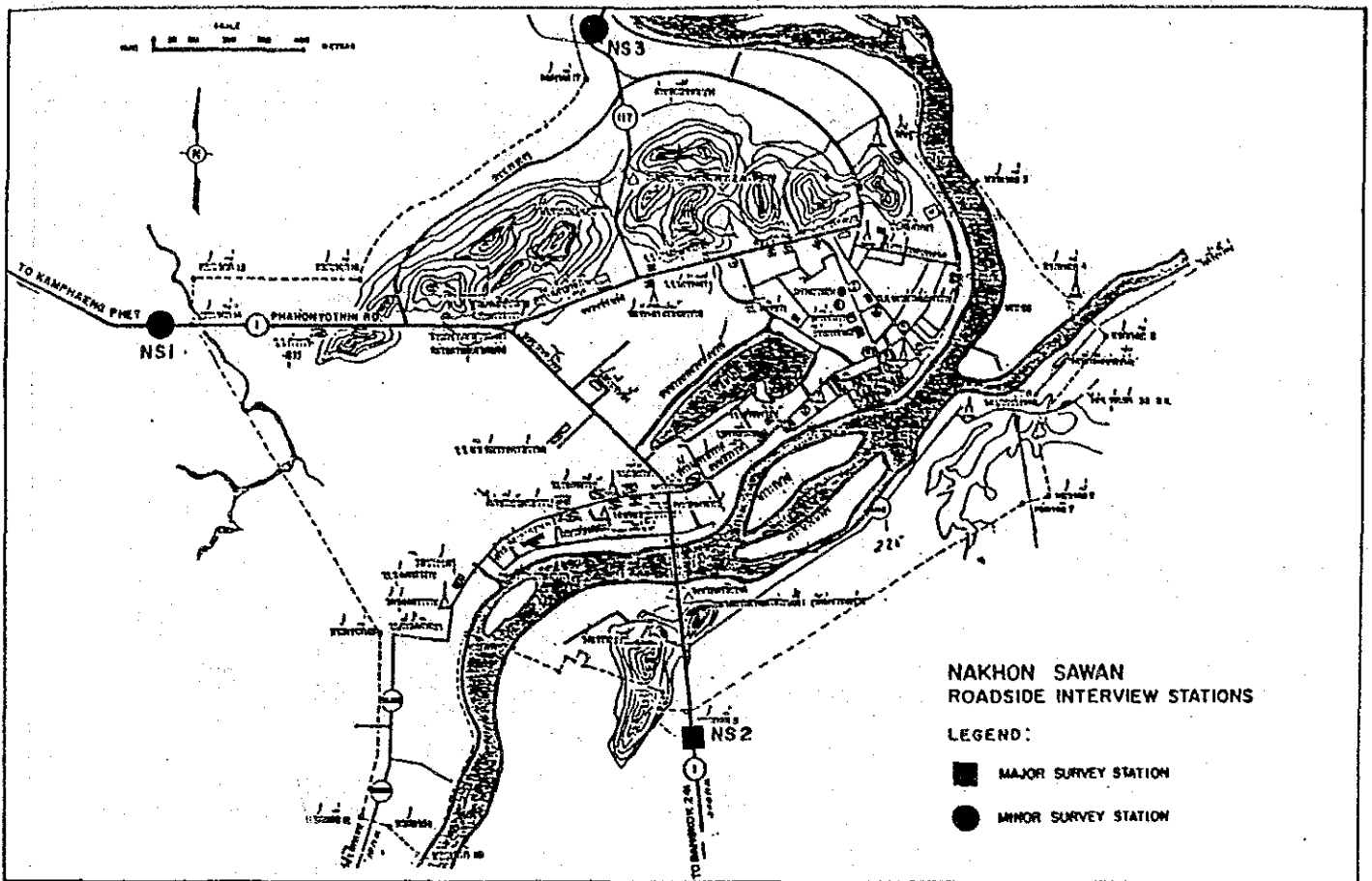
4-11 Necessity for More Facilities, If Any:

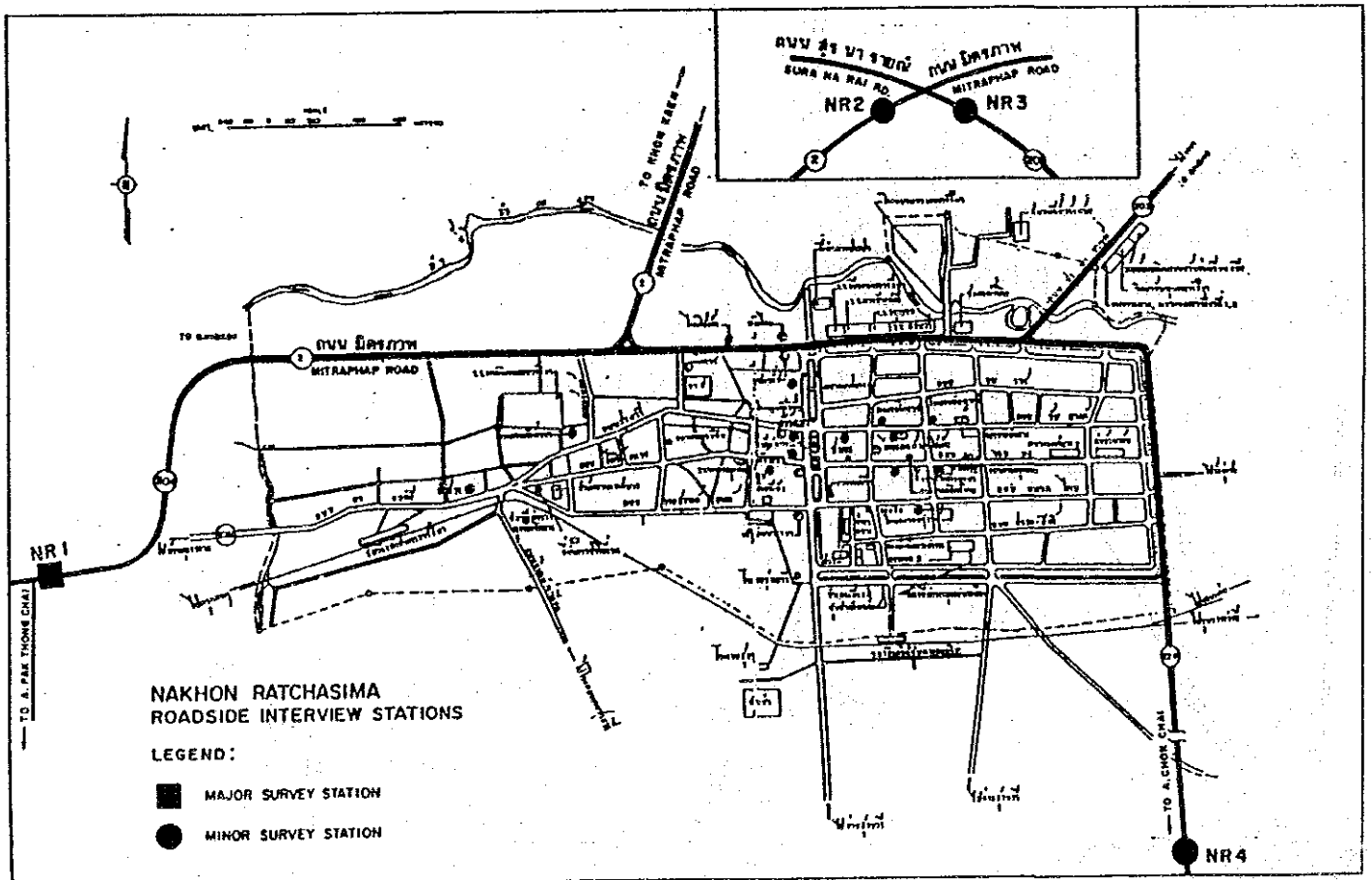
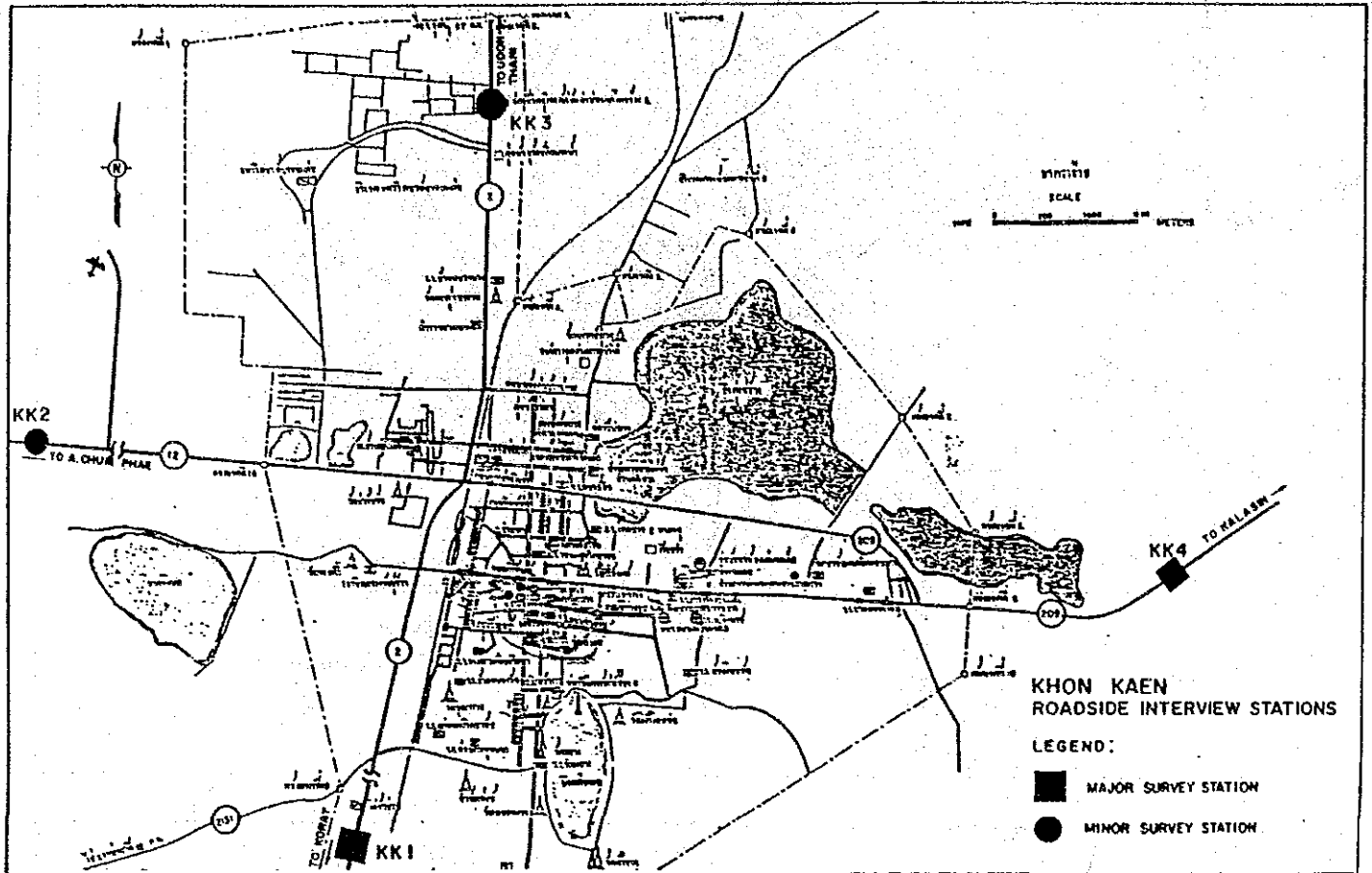
4-12 Problems on Warehousing Business

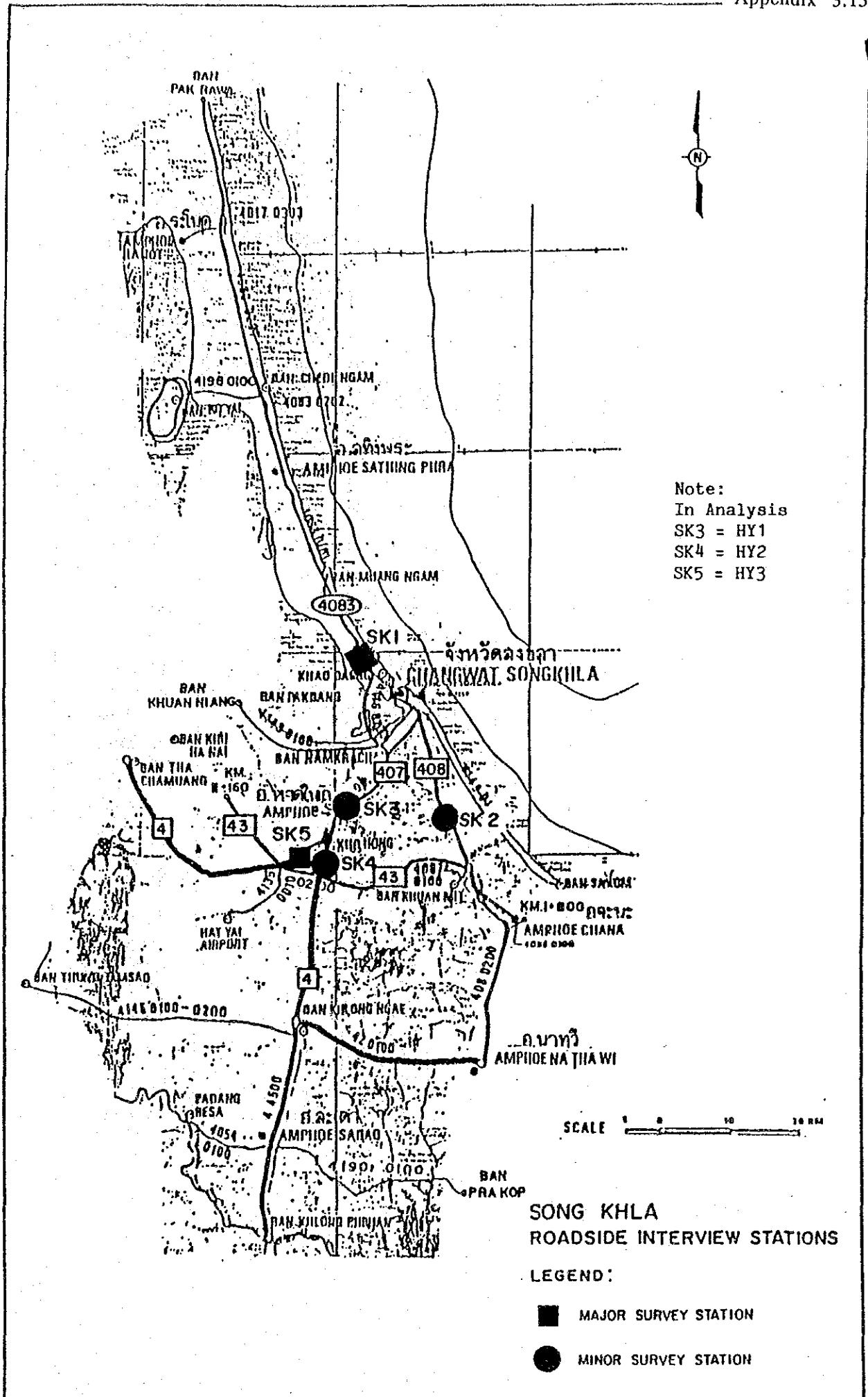
Interviewee List

City	No.	Company Name	Type of Business	Note
1 Chiang Mai	1-1	Mim See Seng Transport	Trucking Warehousing	Head Office
	1-2	Phaisrn Transport Ltd. Partnership	Trucking Warehousing	Branch, H.O.: BKK
	1-3	Kaittisak Transport Partnership	Trucking Forwarder	Head Office
	1-4	Lianthongthai Transport	Forwarder	Branch, H.O.: BKK
	1-5	Sahack Transport	Trucking	Branch, H.O.: BKK
	1-6	Thep-Unnuay Transport	Trucking Forwarder	Branch, H.O.: Chiangrai
2 Khon Kaen	2-7	K. Agriculture Co., Ltd.	Warehousing	Storage Item: Rice
	2-8	Poon Sin Industry Co.	Shipper	Main Cargo: Tapioca Pallet
	2-9	Thanyasiri Partnership	Shipper	Main Cargo: Tapioca Pallet
	2-10	Khon Kaen Puech Phol Tapioca Flour Mill Co., Ltd.	Shipper	Main Cargo: Tapioca Flour
	2-11	King Transport Partnership	Trucking Forwarder	Head Office
	2-12	Heng Transport T.T.T. Partnership Ltd.	Trucking	Head Office
3 Nakhon- sawan	3-13	Pawsiam Transport Ltd.	Trucking Warehousing	Branch, H.O.: BKK
	3-14	Tongnum Khonsong Partnership Ltd.	Trucking Warehousing	Head Office
	3-15	Nakhonsawan Rakchareon Rice-Mill	Shipper	Main Cargo: Rice
	3-16	Sormsuk Company Ltd.	Shipper	Main Cargo: Soft drink
	3-17	Chaopraya Industry Pirat Ltd.	Shipper	Main Cargo: Fish Souce

City	No.	Company Name	Type of Business	Note
4 Nakhon-ratchasima	4-18	Mongseng Ratchasima Chareon Khonsong	Trucking	Head Office
	4-19	Korat Sahasawlaw Khonsong Ltd.	Trucking	Head Office
	4-20	Yanyong Khonsong Partnerships	Trucking	Head Office
	4-21	Ratehasima Udomsak	Trucking	Head Office
	4-22	Anukit Khonsong Partnerships Ltd.	Trucking	Head Office
	4-23	Cherdchai Garage Industry Ltd.	Shipper	Main Product: Bus
	4-24	Central Grain	Shipper	Main Cargo: Tapioca Pallet
5 Hat Yai	5-25	Ruam-Lamleang Transport	Trucking Forwarder	Head Office
	5-26	Thanaklungsin Warehouse Company Ltd.	Warehousing	Storage Item: Fertilizer
	5-27	Southern Mahachai Transport Co., Ltd.	Trucking	Head Office
	5-28	Asean Container Transport Co., Ltd.	Trucking	Head Office
	5-29	Chaiyakarn Transport Co., Ltd.	Trucking	Head Office
	5-30	Hong Chick Fishery	Shipper	Main Cargo: Fish
(Additional)				
1 Chiang Mai	1-31	Poj Pronpairoj Co., Ltd.	Shipper	Main Cargo: Garlic
	1-32	Pravit Tantiyanunt Ltd., Part.	Shipper	Main Cargo: Ready-Made Garment
	1-33	Chiang Mai Sunkalok Ltd., Part.	Shipper	Main Cargo: Celedonwares
	1-34	Golden Antique	Shipper	Main Cargo: Wooden Antique







Note:
 In Analysis
 SK3 = HY1
 SK4 = HY2
 SK5 = HY3

**SONG KHLA
 ROADSIDE INTERVIEW STATIONS**

LEGEND:

- MAJOR SURVEY STATION
- MINOR SURVEY STATION

Survey Period

Changwat	Station No.	Date of Survey	Period of Roadside Interview	Period of Traffic Count
Nakhon Sawan	NS 1	11-2-87	12 hrs.	12 hrs.
	NS 2	11-2-87	18 hrs.	24 hrs.
	NS 3	11-2-87	12 hrs.	12 hrs.
Chiang Mai	CM 1	13-2-87	12 hrs.	12 hrs.
	CM 2	13-2-87	12 hrs.	12 hrs.
	CM 3	13-2-87	12 hrs.	12 hrs.
	CM 4	14-2-87	12 hrs.	24 hrs.
	CM 5	14-2-87	12 hrs.	12 hrs.
	CM 6	14-2-87	20 hrs.	24 hrs.
Khon Kaen	KK 1	17-2-87	18 hrs.	24 hrs.
	KK 2	17-2-87	12 hrs.	12 hrs.
	KK 3	17-2-87	12 hrs.	12 hrs.
	KK 4	17-2-87	12 hrs.	24 hrs.
Nakhon Ratchasima	NR 1	19-2-87	18 hrs.	24 hrs.
	NR 2	19-2-87	12 hrs.	12 hrs.
	NR 3	19-2-87	12 hrs.	12 hrs.
	NR 4	19-2-87	12 hrs.	12 hrs.
Songkhla	SK 1	23-2-87	18 hrs.	24 hrs.
	SK 2	23-2-87	12 hrs.	12 hrs.
	SK 3	24-2-87	12 hrs.	12 hrs.
	SK 4	24-2-87	12 hrs.	12 hrs.
	SK 5	24-2-87	18 hrs.	24 hrs.

NOTE: Starting time 8 AM.

SEASONAL COMMODITY FLOWS
IN 1985
NORTH REGION

(UNIT : THOUSAND TONS)

COMMODITY TYPE	INTO BANGKOK					FROM BANGKOK					INTO/FROM BANGKOK				
	1	2	3	4	T	1	2	3	4	T	1	2	3	4	T
1	174.603	169.650	169.520	129.610	643.383	0.936	0.720	0.312	1.046	3.022	175.537	170.370	169.032	131.454	647.295
2	7.000	7.954	7.254	1.690	24.708	0.000	0.052	0.000	0.154	0.206	7.000	0.000	7.254	1.044	24.900
3	3.970	9.040	1.701	1.157	15.964	23.725	16.159	16.419	10.042	67.145	27.703	25.207	10.200	11.999	83.109
4	7.603	5.270	4.002	1.937	18.900	21.409	10.920	10.291	11.503	70.291	29.172	24.204	22.373	13.520	89.271
5	7.579	3.954	3.237	5.009	22.659	12.194	4.940	2.561	2.743	22.430	19.773	10.094	5.790	0.632	45.097
6	22.295	42.710	34.452	24.648	126.113	10.470	7.371	5.577	1.716	25.142	32.773	50.009	42.029	26.344	151.253
7	5.512	7.956	9.971	7.046	30.485	0.182	0.442	0.130	0.195	0.949	5.694	0.390	10.101	7.241	31.434
8	1.924	3.301	0.063	1.339	6.669	120.263	116.044	119.000	96.073	452.400	122.187	119.405	119.073	97.012	459.277
9	36.530	29.614	41.574	21.099	129.017	0.312	0.130	0.000	0.000	0.442	36.042	29.744	41.574	21.099	129.259
10	16.341	0.736	15.717	20.241	61.035	0.203	5.694	5.824	5.044	21.765	24.544	14.430	21.541	25.205	65.000
11	0.723	103.090	63.076	9.633	184.522	0.720	0.000	0.000	0.000	0.720	9.451	103.090	63.076	9.633	185.250
12	426.517	76.510	32.303	9.360	544.770	0.000	0.260	0.102	0.000	0.442	426.517	76.770	32.565	9.360	545.220
13	46.013	69.615	33.020	31.603	181.051	0.624	0.505	0.052	0.754	2.015	47.437	70.200	33.072	32.357	103.064
14	101.920	50.305	60.209	10.009	247.403	0.130	0.962	0.156	0.156	1.404	102.050	59.267	60.445	19.045	240.007
15	0.767	0.429	0.260	0.200	1.664	4.966	1.261	0.401	0.325	7.033	5.733	1.690	0.741	0.533	0.697
16	0.624	1.196	1.677	0.702	4.199	15.060	14.430	7.644	5.317	43.251	16.404	15.626	9.321	6.019	47.450
17	13.070	21.001	21.040	15.099	72.610	7.610	6.734	6.071	4.745	25.160	20.696	20.535	27.911	20.644	97.706
18	10.203	9.113	15.249	5.109	39.754	0.546	0.330	0.143	0.325	1.352	10.029	9.451	15.392	5.434	41.106
19	0.102	0.065	0.013	0.351	0.611	4.953	1.339	2.496	3.172	11.960	5.135	1.404	2.509	3.523	12.571
20	7.137	7.475	0.390	5.512	20.522	35.152	40.204	54.104	42.190	179.730	42.209	55.679	62.502	47.710	200.260
21	9.360	9.295	13.663	5.265	37.503	12.363	9.997	10.055	10.309	43.524	21.723	19.292	24.510	15.574	81.107
22	19.004	12.129	13.052	10.322	54.507	213.107	197.353	179.972	104.099	775.411	232.271	209.002	193.024	195.221	629.990
23	24.479	35.477	29.404	30.049	120.209	23.374	23.543	12.740	9.230	60.007	47.053	59.020	42.224	40.079	109.176
TOTAL	953.212	694.759	590.057	350.350	2596.306	517.203	475.514	443.090	392.020	1020.723	1470.495	1370.273	1033.955	750.306	4425.109

SEASONAL COMMODITY FLOWS
IN 1985
NORTHEAST REGION

(UNIT : THOUSAND TONS)

COMMODITY TYPE	INTO BANGKOK					FROM BANGKOK					INTO/FROM BANGKOK				
	1	2	3	4	T	1	2	3	4	T	1	2	3	4	T
1	109.020	267.644	204.141	169.403	910.200	16.710	0.312	1.110	1.110	19.266	205.730	267.956	205.259	170.521	929.474
2	4.966	2.626	1.630	0.490	9.724	0.000	0.206	0.156	0.206	0.720	4.966	2.912	1.794	0.700	10.452
3	2.431	0.663	0.377	1.521	4.992	20.774	13.325	9.067	10.621	54.507	23.205	13.900	10.204	12.142	59.329
4	4.017	1.007	1.020	2.223	9.067	24.167	13.609	14.004	16.404	68.744	20.104	15.496	16.224	10.707	70.611
5	1.521	3.445	1.053	2.067	8.086	3.035	0.720	1.105	2.717	8.305	5.356	4.173	2.150	4.704	16.471
6	21.411	23.413	26.117	20.553	91.494	0.476	6.136	6.344	7.200	20.236	29.007	29.549	32.461	27.033	119.730
7	5.213	7.013	9.430	5.076	29.340	0.000	0.130	0.260	0.000	0.390	5.213	7.943	9.690	5.076	29.730
8	0.520	0.052	0.070	0.070	0.720	125.411	102.570	126.904	104.390	459.355	125.931	102.622	127.062	104.460	440.003
9	0.206	0.156	0.000	0.962	1.404	0.000	0.000	0.156	0.325	0.401	0.206	0.156	0.156	1.207	1.005
10	19.721	5.343	15.132	14.079	54.275	9.776	9.113	3.691	5.902	20.392	29.497	14.456	10.733	19.901	82.647
11	274.937	393.302	154.336	97.960	920.543	0.624	0.130	1.170	0.052	1.976	275.561	393.432	155.506	90.020	922.519
12	166.049	35.464	40.534	95.095	337.142	0.000	0.156	0.000	0.000	0.156	166.049	35.620	40.534	95.095	337.290
13	0.619	19.004	20.740	34.130	82.509	1.794	0.032	0.460	0.507	3.601	10.413	19.916	21.216	34.645	66.190
14	7.371	4.075	10.517	3.035	26.590	0.312	0.156	0.026	0.130	0.624	7.603	5.031	10.543	3.965	27.222
15	29.263	21.903	13.741	11.297	76.204	3.237	3.640	1.963	2.691	11.531	32.500	25.623	15.704	13.900	87.015
16	0.650	0.663	1.573	0.390	3.276	19.396	20.005	13.097	15.327	60.705	20.046	20.740	15.470	15.717	71.901
17	64.636	71.077	56.030	46.033	230.576	0.021	4.342	5.270	3.022	21.643	72.657	76.219	61.300	49.055	240.039
18	10.335	19.051	0.079	11.076	50.141	0.520	0.429	0.330	0.949	2.236	10.055	20.200	9.217	12.025	52.377
19	0.156	0.000	0.143	0.104	0.403	2.223	2.930	1.760	5.265	12.194	2.379	2.930	1.911	5.369	12.597
20	6.740	11.745	9.002	6.012	35.139	39.637	57.099	104.455	174.436	370.027	46.397	69.264	114.257	103.260	413.166
21	0.203	6.100	5.954	3.991	24.346	14.222	5.967	0.502	7.332	36.023	22.425	12.155	14.454	11.323	60.359
22	15.754	16.406	11.900	12.031	54.099	207.057	165.295	210.522	172.055	755.729	221.611	101.701	222.430	104.006	610.620
23	16.666	10.122	37.245	21.240	93.301	15.099	17.264	13.663	13.104	59.930	32.565	35.306	50.900	34.372	153.231
TOTAL	856.505	932.542	711.204	562.094	3062.345	522.099	425.022	526.045	546.793	2020.759	1379.404	1357.544	1237.249	1100.007	5003.104

SEASONAL COMMODITY FLOWS
IN 1985
CENTRAL REGION

(UNIT : THOUSAND TONS)

COMMODITY TYPE	INTO BANGKOK					FROM BANGKOK					INTO/FROM BANGKOK				
	1	2	3	4	T	1	2	3	4	T	1	2	3	4	T
1	199.251	322.361	163.657	164.684	849.953	2.483	0.437	1.469	4.459	9.048	201.734	322.999	165.126	169.143	859.001
2	599.890	566.995	502.931	541.788	2211.612	0.598	0.156	0.286	4.589	5.429	606.496	567.151	503.217	544.377	2217.241
3	258.206	250.666	242.541	244.985	996.398	15.990	15.522	9.321	11.739	52.572	274.196	266.180	251.062	256.724	1048.970
4	22.997	27.716	10.699	15.158	76.570	20.657	31.252	25.090	33.605	110.604	43.654	50.960	35.709	40.763	107.174
5	41.756	40.417	34.983	36.673	153.829	4.062	2.977	1.456	2.691	11.986	46.610	43.394	36.439	39.364	165.815
6	11.440	8.463	8.307	5.187	33.397	15.678	0.944	6.422	5.343	36.387	27.110	17.407	14.729	10.530	69.784
7	3.536	1.495	1.131	1.716	7.878	1.443	2.080	1.274	2.613	7.410	4.979	3.575	2.805	4.329	15.280
8	0.572	1.430	0.585	0.624	3.211	79.222	82.706	93.964	83.525	339.417	79.794	84.136	94.549	84.149	342.628
9	0.312	0.782	0.949	4.251	6.214	0.156	5.279	1.417	2.478	9.321	0.460	5.980	2.366	6.721	15.535
10	13.286	9.451	14.937	10.972	48.644	6.474	6.656	4.511	5.858	23.491	19.760	16.187	19.448	16.822	72.137
11	15.800	36.972	8.489	0.736	70.005	0.572	0.800	0.000	0.195	0.767	16.380	36.972	8.489	0.931	70.772
12	89.811	34.268	40.840	27.178	190.889	0.000	0.000	0.026	0.286	0.312	89.811	34.268	40.840	27.178	190.889
13	4.927	15.886	6.721	1.677	29.211	0.450	0.156	0.923	0.026	1.755	5.577	16.042	7.644	1.703	30.966
14	7.813	0.680	3.354	3.627	19.474	0.000	0.312	0.286	0.130	0.720	7.813	4.992	3.640	3.757	20.202
15	1.859	3.432	4.134	1.170	10.595	5.473	3.679	1.157	0.325	10.634	7.332	7.111	5.291	1.495	21.229
16	5.174	2.834	2.106	4.251	14.365	13.299	16.380	7.917	8.112	45.700	10.473	19.214	10.823	12.343	60.873
17	9.100	4.914	5.161	4.394	23.569	2.912	2.834	1.508	1.729	8.983	12.812	7.740	6.669	4.123	32.552
18	3.354	6.253	7.956	4.745	22.308	0.416	0.312	0.507	0.299	1.534	3.770	6.565	8.463	5.844	23.842
19	0.286	0.962	0.325	0.455	2.028	1.703	1.560	2.054	2.496	7.813	1.909	2.522	2.379	2.951	9.841
20	9.503	14.794	6.526	7.644	38.467	19.396	27.443	33.735	28.158	100.732	28.899	42.237	40.261	35.002	147.199
21	4.550	3.900	2.158	2.912	13.520	7.215	5.226	6.266	6.045	24.752	11.765	9.126	8.424	8.957	38.272
22	9.945	12.246	8.944	7.449	38.584	50.531	61.581	53.716	53.092	210.920	60.476	73.827	62.660	60.541	257.504
23	40.040	30.290	28.657	15.041	166.829	13.078	14.690	19.513	16.185	63.466	53.110	44.980	40.178	31.226	169.494
TOTAL	1352.624	1401.127	1097.291	1115.309	4966.351	262.808	298.381	272.810	273.962	1099.969	1615.432	1691.508	1378.109	1389.271	6066.320

SEASONAL COMMODITY FLOWS
IN 1985
EAST REGION

(UNIT : THOUSAND TONS)

COMMODITY TYPE	INTO BANGKOK					FROM BANGKOK					INTO/FROM BANGKOK				
	1	2	3	4	T	1	2	3	4	T	1	2	3	4	T
1	14.469	12.482	26.182	13.587	66.740	4.482	1.482	3.341	6.162	15.587	19.071	13.084	29.523	19.669	82.147
2	847.171	372.944	759.382	625.703	2605.200	0.956	0.800	0.800	1.066	2.892	848.187	372.944	759.382	626.769	2607.282
3	7.254	2.535	6.032	5.031	20.852	31.759	10.959	12.571	13.936	69.225	39.813	13.494	10.603	10.967	90.877
4	5.896	3.783	5.512	7.423	21.814	15.223	2.457	9.529	12.791	39.910	29.319	6.280	15.041	29.124	61.724
5	25.532	13.884	14.274	13.377	67.067	3.978	0.728	1.814	0.832	6.552	29.510	14.612	15.280	14.289	73.619
6	61.438	27.456	43.329	31.051	183.274	7.657	3.120	4.030	0.697	23.504	69.095	30.576	47.359	59.740	206.770
7	9.646	3.991	5.291	5.384	24.232	1.885	0.559	0.156	0.845	3.445	11.531	4.550	5.447	6.149	27.677
8	26.767	19.760	35.542	26.689	108.758	20.241	22.809	19.513	21.190	82.953	47.008	41.769	55.055	47.879	191.711
9	52.754	31.213	52.338	42.354	178.659	0.900	0.800	0.130	0.000	0.130	52.754	31.213	52.460	42.354	178.789
10	3.980	4.953	37.410	9.250	55.593	6.331	4.615	4.062	0.520	24.336	18.231	9.540	42.382	17.750	79.059
11	18.837	9.919	9.672	3.003	41.431	5.590	2.509	1.885	0.468	10.452	24.427	12.420	11.557	3.471	51.883
12	32.310	3.562	1.235	35.789	72.904	1.326	0.364	0.156	0.975	2.821	33.644	3.926	1.391	36.764	75.725
13	15.769	62.990	30.875	22.458	132.090	0.780	0.481	0.624	0.000	1.885	16.549	63.479	31.499	22.430	133.965
14	7.124	0.078	1.209	0.806	9.217	1.072	0.000	0.910	0.208	2.990	0.996	0.878	2.119	1.014	12.207
15	0.429	0.184	0.351	0.130	1.014	0.962	0.039	0.240	0.663	1.924	1.391	0.143	0.611	0.793	2.938
16	2.020	0.273	1.352	0.156	3.800	27.477	20.353	36.751	34.437	127.218	29.295	28.626	38.183	34.593	131.027
17	77.825	27.185	65.619	62.127	232.076	5.252	1.547	3.354	3.757	13.910	82.277	28.652	69.173	65.084	245.986
18	19.695	15.015	33.735	26.728	95.173	0.598	0.468	0.481	1.027	2.574	20.293	15.483	34.216	27.255	97.747
19	28.067	18.655	18.447	25.506	90.675	0.286	0.240	0.299	0.208	1.053	28.353	18.915	18.746	25.714	91.728
20	15.158	8.398	21.372	16.575	61.503	53.456	34.385	122.460	67.236	277.537	68.614	42.783	143.032	83.811	339.040
21	11.328	4.979	11.356	6.812	34.255	7.579	2.886	7.345	7.215	25.025	18.707	7.965	18.681	11.827	59.280
22	18.434	12.181	19.279	18.694	68.588	73.346	25.818	74.386	85.501	259.051	91.780	37.999	93.665	104.195	327.639
23	54.379	9.165	29.315	32.214	125.073	23.036	15.132	18.127	13.598	61.893	77.415	24.297	39.442	45.812	186.966
TOTAL	1354.410	665.353	1229.319	1050.647	4299.737	294.372	158.171	314.184	289.250	1055.977	1648.790	823.524	1543.503	1339.897	5355.714

SEASONAL COMMODITY FLOWS
IN 1985
WEST REGION

(UNIT : THOUSAND TONS)

COMMODITY TYPE	INTO BANGKOK				T	FROM BANGKOK				T	INTO/FROM BANGKOK				T
	1	2	3	4		1	2	3	4		1	2	3	4	
1	42.328	55.458	54.665	31.967	184.418	11.297	10.811	10.361	6.760	47.229	53.625	74.263	65.026	38.727	231.647
2	2581.735	2577.887	2348.879	2780.492	10288.993	0.312	1.495	0.624	1.794	4.225	2562.047	2579.382	2349.503	2782.284	10293.218
3	25.077	18.811	19.292	13.351	76.531	23.296	22.438	15.314	16.185	77.233	48.373	41.249	34.606	29.536	153.764
4	3.640	6.695	4.459	3.211	18.005	10.491	10.153	10.894	13.806	45.344	14.131	16.848	15.353	17.017	63.349
5	10.426	8.229	10.517	11.362	40.534	3.705	2.483	1.885	1.690	9.763	14.131	10.712	12.402	13.052	50.297
6	30.095	34.580	34.294	33.488	132.457	7.540	6.903	7.267	7.917	29.627	37.635	41.483	41.561	41.403	162.084
7	12.545	11.882	8.255	9.178	41.860	2.808	3.172	0.346	7.826	22.152	15.353	15.054	16.401	17.004	64.012
8	1.482	2.301	2.171	3.003	8.957	119.873	134.771	127.153	121.537	583.334	121.355	137.872	129.324	124.540	512.291
9	7.046	16.692	0.931	4.771	37.440	0.130	0.286	0.468	0.416	1.300	7.176	16.978	9.399	5.187	38.740
10	88.322	89.310	78.104	74.347	338.083	7.319	2.951	5.486	3.354	19.110	95.641	92.261	83.590	77.781	349.193
11	41.288	19.552	12.586	3.276	76.622	0.039	0.442	0.000	0.000	0.481	41.327	19.994	12.586	3.276	77.183
12	9.438	2.730	1.794	2.301	16.263	0.481	0.767	0.156	0.195	1.599	9.919	3.497	1.950	2.496	17.862
13	175.136	169.169	89.401	181.478	535.184	0.234	1.269	0.104	1.222	2.769	175.378	178.378	89.585	182.708	537.953
14	0.832	1.027	1.430	0.585	3.874	0.208	0.800	0.377	0.845	1.438	1.048	1.827	1.887	1.430	5.304
15	0.650	0.728	0.351	0.288	1.937	1.157	0.806	0.572	0.182	2.717	1.887	1.534	0.923	0.390	4.654
16	3.627	2.769	2.626	3.679	12.701	13.871	22.368	28.964	17.875	83.870	17.498	25.129	31.590	21.554	95.771
17	58.006	98.722	69.212	83.980	309.920	6.734	3.406	3.874	7.605	21.619	64.740	182.128	73.886	91.585	331.539
18	14.859	9.789	15.478	14.651	54.769	0.975	0.364	0.663	0.858	2.868	15.834	18.153	16.133	15.589	57.629
19	21.099	23.829	23.278	32.669	100.867	1.417	1.937	0.819	0.962	5.135	22.516	25.766	24.889	33.431	106.002
20	23.699	24.845	40.001	22.204	112.749	66.131	62.530	88.418	77.961	287.848	89.838	89.375	128.418	180.165	399.789
21	22.958	22.854	31.538	21.359	98.709	16.692	18.850	17.186	23.688	76.336	39.658	41.784	48.724	44.967	175.045
22	18.018	24.375	27.352	18.668	88.413	65.975	76.401	68.211	77.864	287.651	83.993	188.776	95.563	95.732	376.064
23	19.383	16.822	19.825	19.968	75.998	13.234	12.441	12.402	15.119	53.196	32.617	29.263	32.227	35.887	129.194
TOTAL	3211.689	3241.056	2984.143	3290.196	12647.284	373.919	404.976	401.544	404.781	1585.228	3585.608	3646.832	3385.887	3694.977	14232.504

SEASONAL COMMODITY FLOWS
IN 1985
SOUTH REGION

(UNIT : THOUSAND TONS)

COMMODITY TYPE	INTO BANGKOK				T	FROM BANGKOK				T	INTO/FROM BANGKOK				T
	1	2	3	4		1	2	3	4		1	2	3	4	
1	0.808	0.169	0.455	0.800	0.424	5.837	6.591	7.644	4.147	24.219	5.837	6.760	8.899	4.147	24.843
2	1.209	1.801	3.648	2.379	0.229	0.234	0.156	0.800	0.156	0.546	1.443	1.157	3.648	2.535	8.775
3	7.540	0.351	0.286	0.286	0.463	11.427	7.332	5.174	7.833	39.964	18.967	7.683	5.468	7.319	39.429
4	1.698	6.682	4.771	5.629	18.772	7.358	4.877	6.697	12.792	35.724	9.848	13.559	13.648	18.421	54.496
5	0.858	1.840	0.143	0.138	2.171	1.898	3.601	1.742	3.484	10.725	2.756	4.641	1.885	3.614	12.896
6	69.368	82.212	118.840	88.179	357.799	0.767	1.261	0.611	1.690	4.329	78.133	83.473	118.651	89.869	362.128
7	16.003	18.278	21.879	18.421	74.581	0.000	0.156	0.130	0.000	0.286	16.883	18.434	22.889	18.421	74.967
8	0.338	0.000	0.325	0.351	1.014	22.854	21.775	26.741	29.536	100.986	23.192	21.775	27.866	29.887	181.920
9	0.852	0.156	0.624	0.468	1.300	0.585	0.156	0.650	0.156	1.547	0.637	0.312	1.274	0.624	2.847
10	11.414	14.494	6.925	17.498	58.141	6.149	4.134	9.594	2.236	22.113	17.563	18.538	16.419	19.734	72.254
11	0.312	0.390	0.000	0.000	0.702	0.000	0.000	0.000	0.000	0.000	0.312	0.390	0.000	0.000	0.702
12	0.286	0.000	0.852	0.156	0.494	0.000	0.325	0.000	0.000	0.325	0.286	0.325	0.852	0.156	0.819
13	0.377	0.000	0.000	0.138	0.507	0.195	0.338	0.221	0.900	0.754	0.572	0.338	0.221	0.138	1.261
14	0.000	0.832	0.442	0.156	1.430	0.468	0.494	0.000	0.156	1.118	0.468	1.326	0.442	0.312	2.548
15	0.312	0.000	0.247	0.156	0.715	0.156	0.182	0.182	0.013	0.533	0.168	0.182	0.429	0.169	1.248
16	1.651	18.122	1.872	0.442	22.887	6.784	0.424	7.862	0.125	30.797	8.437	26.546	9.334	8.567	52.884
17	6.877	12.519	11.895	12.532	43.823	4.121	4.884	2.535	4.329	14.989	18.998	16.523	14.438	16.861	58.812
18	0.008	0.247	0.130	0.000	0.377	0.117	0.663	0.136	0.865	1.001	0.117	0.918	0.286	0.865	1.378
19	29.445	55.640	60.892	47.749	193.726	1.937	0.338	0.416	0.390	3.081	31.382	55.978	61.308	48.139	194.807
20	21.879	35.061	40.144	21.892	118.976	31.356	34.888	43.732	37.713	146.889	53.235	69.869	83.876	59.685	265.783
21	1.911	2.652	2.691	2.860	10.114	5.616	5.174	5.343	3.720	19.903	7.527	7.826	8.834	6.630	38.817
22	9.516	11.141	11.947	8.060	40.664	107.289	131.690	141.219	147.459	527.657	116.805	142.831	153.166	155.519	568.321
23	54.236	53.105	48.971	79.703	236.015	4.634	5.655	8.125	3.887	22.321	58.890	58.760	57.096	83.590	258.336
TOTAL	235.274	314.802	336.271	307.177	1192.724	219.884	243.334	270.374	267.137	1000.649	455.878	557.336	606.645	574.314	2193.373

SEASONAL VARIATION (IN %)
 IN 1965
 NORTH REGION

COMMODITY TYPE	INTO BANGKOK					FROM BANGKOK					INTO/FROM BANGKOK				
	1	2	3	4	T	1	2	3	4	T	1	2	3	4	T
1	27.138	26.368	26.348	20.145	100.000	24.490	19.048	8.163	48.299	100.000	27.123	26.325	26.241	28.311	100.000
2	31.579	32.211	29.368	6.842	100.000	0.000	25.000	0.000	75.000	100.000	31.315	32.150	29.123	7.411	100.000
3	24.919	56.678	11.154	7.248	100.000	35.334	24.066	24.453	16.147	100.000	33.333	36.330	21.999	14.438	100.000
4	40.479	27.808	21.507	10.205	100.000	30.571	26.928	26.022	16.479	100.000	32.678	27.115	25.062	15.145	100.000
5	33.448	26.277	14.286	25.990	100.000	54.345	22.016	11.414	12.225	100.000	43.845	24.157	12.857	19.141	100.000
6	17.479	33.873	28.904	19.544	100.000	41.675	29.317	22.182	6.825	100.000	21.667	33.116	27.787	17.438	100.000
7	18.081	26.098	32.708	23.113	100.000	19.178	46.575	13.699	20.548	100.000	18.114	24.714	32.134	23.836	100.000
8	28.850	50.097	0.975	29.878	100.000	26.571	25.643	26.471	21.315	100.000	26.484	25.998	24.180	21.297	100.000
9	28.358	22.989	32.274	16.379	100.000	78.588	29.412	0.000	0.000	100.000	28.582	23.011	32.163	14.323	100.000
10	24.773	14.313	25.751	33.163	100.000	33.123	22.992	23.517	28.367	100.000	28.686	16.818	25.184	29.478	100.000
11	4.727	55.869	34.183	5.221	100.000	100.000	0.000	0.000	0.000	100.000	5.182	55.649	34.849	5.263	100.000
12	78.292	14.044	5.944	1.718	100.000	0.000	58.824	41.176	0.000	100.000	78.228	14.882	5.973	1.717	100.000
13	25.856	38.450	18.238	17.455	100.000	30.968	29.032	2.581	37.419	100.000	25.913	38.347	18.866	17.675	100.000
14	41.196	23.567	27.692	7.635	100.000	9.259	68.519	11.111	11.111	100.000	41.016	23.828	27.509	7.655	100.000
15	46.094	25.781	15.625	12.508	100.000	70.618	17.938	6.839	4.621	100.000	65.919	19.432	8.520	6.129	100.000
16	14.861	28.483	39.938	16.718	100.000	34.670	33.363	17.674	12.293	100.000	34.748	32.932	19.444	12.645	100.000
17	18.009	30.021	30.875	21.894	100.000	30.269	26.756	24.122	18.853	100.000	21.165	29.181	28.543	21.111	100.000
18	25.867	22.923	38.358	12.852	100.000	40.385	25.088	18.577	24.038	100.000	24.344	22.992	37.445	13.219	100.000
19	29.787	18.638	2.128	57.447	100.000	41.413	11.194	28.878	26.522	100.000	40.848	11.189	19.959	28.825	100.000
20	25.823	26.208	29.444	19.325	100.000	19.557	26.818	38.146	23.478	100.000	28.384	26.735	38.058	22.989	100.000
21	24.905	24.732	34.354	14.009	100.000	28.485	22.969	24.948	23.686	100.000	24.783	23.784	38.329	19.282	100.000
22	34.961	22.220	23.918	18.909	100.000	27.493	25.451	23.218	23.845	100.000	27.985	25.239	23.256	23.521	100.000
23	20.350	29.493	24.511	25.646	100.000	33.931	34.176	18.494	13.399	100.000	25.295	31.198	22.328	21.186	100.000

SEASONAL VARIATION (IN %)
 IN 1965
 NORTHEAST REGION

COMMODITY TYPE	INTO BANGKOK					FROM BANGKOK					INTO/FROM BANGKOK				
	1	2	3	4	T	1	2	3	4	T	1	2	3	4	T
1	20.767	29.485	31.217	18.611	100.000	96.775	1.619	5.803	5.803	100.000	22.135	28.829	38.698	18.346	100.000
2	51.070	27.005	16.845	5.080	100.000	0.000	39.284	21.429	39.284	100.000	47.512	27.861	17.164	7.463	100.000
3	48.698	13.281	7.552	38.469	100.000	38.857	24.411	18.074	19.457	100.000	38.948	23.478	17.194	29.388	100.000
4	40.711	18.314	18.445	22.530	100.000	35.155	19.913	28.953	23.979	100.000	33.852	19.712	28.638	23.797	100.000
5	18.810	42.485	13.823	25.563	100.000	45.736	8.682	13.178	32.493	100.000	32.518	25.335	13.182	29.845	100.000
6	23.482	25.590	28.545	22.464	100.000	30.818	21.731	22.468	25.783	100.000	24.962	21.680	27.112	23.244	100.000
7	18.394	27.569	33.303	20.734	100.000	0.000	33.333	64.667	8.988	100.000	18.145	27.647	33.756	28.452	100.000
8	71.429	7.143	18.714	18.714	100.000	27.382	22.329	27.644	22.725	100.000	27.371	22.385	27.617	22.784	100.000
9	20.370	11.111	0.800	68.519	100.000	0.000	0.000	32.432	47.568	100.000	15.172	8.276	0.276	68.276	100.000
10	36.335	9.844	27.898	25.940	100.000	34.432	32.897	12.683	28.788	100.000	35.682	17.487	22.641	24.178	100.000
11	29.867	42.725	16.764	18.642	100.000	31.579	6.579	59.211	2.632	100.000	29.878	42.648	16.857	18.625	100.000
12	49.252	18.519	12.023	28.204	100.000	0.000	108.000	0.000	0.000	100.000	49.229	18.548	12.017	28.193	100.000
13	18.436	23.187	25.122	41.335	100.000	49.819	23.185	12.994	14.879	100.000	12.881	23.187	24.615	48.194	100.000
14	27.713	18.328	39.541	14.418	100.000	50.000	25.000	4.167	28.833	100.000	28.223	18.481	38.738	14.545	100.000
15	38.341	28.817	18.013	14.889	100.000	28.872	31.567	17.824	23.337	100.000	37.018	29.178	17.883	15.929	100.000
16	19.841	20.258	48.816	11.985	100.000	28.231	29.234	28.227	22.388	100.000	27.819	28.824	21.672	21.835	100.000
17	27.092	30.128	23.485	19.295	100.000	37.371	20.238	24.591	17.807	100.000	27.941	29.311	23.576	19.172	100.000
18	20.612	39.590	17.708	22.898	100.000	23.256	19.184	15.116	42.442	100.000	20.725	38.719	17.597	22.959	100.000
19	38.710	0.000	35.484	25.806	100.000	18.230	24.894	14.499	43.177	100.000	18.885	23.323	15.178	42.621	100.000
20	19.238	33.481	27.895	19.384	100.000	18.485	15.218	27.632	46.673	100.000	11.230	16.764	27.454	44.352	100.000
21	33.707	25.427	24.464	16.400	100.000	39.480	16.544	23.682	28.354	100.000	37.153	28.138	23.958	18.759	100.000
22	25.853	29.884	21.691	23.372	100.000	27.584	21.872	27.857	22.767	100.000	27.338	27.415	27.439	22.888	100.000
23	17.863	19.423	39.919	22.795	100.000	24.529	28.807	22.798	21.864	100.000	21.252	23.093	33.223	22.431	100.000

SEASONAL VARIATION (IN %) IN 1985
CENTRAL REGION

COMMODITY TYPE	INTO BANGKOK					FROM BANGKOK					INTO/FROM BANGKOK				
	1	2	3	4	T	1	2	3	4	T	1	2	3	4	T
1	23.443	37.927	19.255	19.376	100.000	27.443	7.040	16.236	49.282	100.000	23.485	37.602	19.223	19.691	100.000
2	27.125	25.637	22.740	24.497	100.000	10.424	2.771	5.081	81.524	100.000	27.083	25.579	22.696	24.442	100.000
3	25.914	25.157	24.342	24.587	100.000	30.415	29.525	17.730	22.329	100.000	26.140	25.376	24.010	24.474	100.000
4	30.034	36.197	13.973	19.796	100.000	18.677	28.254	22.685	30.383	100.000	23.323	31.584	19.121	26.052	100.000
5	27.144	26.274	22.741	23.840	100.000	40.564	24.837	12.148	22.451	100.000	28.114	26.170	21.976	23.740	100.000
6	34.255	25.341	24.073	15.531	100.000	43.007	24.580	17.649	14.684	100.000	38.866	24.944	21.107	15.089	100.000
7	44.004	18.977	14.354	21.782	100.000	19.474	28.070	17.193	35.263	100.000	32.568	23.384	15.731	28.316	100.000
8	17.014	44.534	18.219	19.433	100.000	23.341	24.367	27.484	24.608	100.000	23.289	24.556	27.595	24.560	100.000
9	5.021	11.297	15.272	68.410	100.000	1.674	56.625	15.202	26.499	100.000	3.013	38.494	15.230	43.264	100.000
10	27.312	19.428	30.706	22.555	100.000	27.559	28.334	19.203	24.903	100.000	27.392	22.328	26.968	23.320	100.000
11	22.581	52.813	12.126	12.479	100.000	74.576	0.000	0.000	25.424	100.000	23.145	52.241	11.995	12.619	100.000
12	46.728	17.989	21.020	14.263	100.000	0.000	0.000	0.333	91.667	100.000	44.651	17.960	20.999	14.390	100.000
13	16.067	54.384	23.008	5.741	100.000	37.037	0.069	52.593	1.481	100.000	18.010	51.005	24.685	5.500	100.000
14	40.120	24.032	17.223	18.625	100.000	0.000	42.857	39.286	17.857	100.000	38.674	24.710	18.018	18.597	100.000
15	17.546	32.393	39.018	11.043	100.000	51.447	34.597	10.880	3.056	100.000	34.538	33.497	24.923	7.842	100.000
16	36.018	19.729	14.641	29.593	100.000	29.896	35.036	17.321	17.747	100.000	30.751	31.984	16.685	28.580	100.000
17	38.610	20.849	21.897	18.643	100.000	32.417	31.548	16.787	19.247	100.000	36.901	23.802	20.487	18.010	100.000
18	15.035	28.038	35.664	21.270	100.000	27.119	20.339	33.051	19.492	100.000	15.014	27.535	35.494	21.154	100.000
19	14.103	47.436	16.026	22.436	100.000	21.797	19.967	26.290	31.947	100.000	20.211	25.627	24.174	29.987	100.000
20	24.704	38.459	16.965	19.072	100.000	17.038	25.239	31.026	25.097	100.000	19.633	28.494	27.351	24.322	100.000
21	33.654	28.846	15.942	21.538	100.000	29.149	21.113	25.315	24.422	100.000	30.740	23.045	22.011	23.404	100.000
22	25.775	31.739	23.181	19.304	100.000	23.082	28.129	24.537	24.252	100.000	23.485	28.678	24.334	23.511	100.000
23	37.764	28.568	19.483	14.186	100.000	20.606	23.146	30.746	25.502	100.000	31.339	26.538	23.700	18.423	100.000

SEASONAL VARIATION (IN %) IN 1985
EAST REGION

COMMODITY TYPE	INTO BANGKOK					FROM BANGKOK					INTO/FROM BANGKOK				
	1	2	3	4	T	1	2	3	4	T	1	2	3	4	T
1	21.738	18.633	39.336	20.293	100.000	29.525	9.580	21.435	39.533	100.000	23.216	16.901	35.939	23.944	100.000
2	32.518	14.315	29.149	24.017	100.000	46.753	0.000	0.000	53.247	100.000	32.529	14.304	29.126	24.040	100.000
3	34.788	12.157	28.928	24.127	100.000	45.878	15.851	18.160	20.131	100.000	43.311	14.901	29.652	21.056	100.000
4	23.361	17.342	25.268	34.821	100.000	38.143	6.156	23.874	31.824	100.000	32.919	18.110	24.368	32.603	100.000
5	38.069	28.792	21.283	19.946	100.000	60.714	11.111	15.476	12.698	100.000	48.005	19.848	28.766	19.301	100.000
6	33.522	14.981	23.642	27.055	100.000	32.577	13.274	17.146	37.082	100.000	33.415	14.787	22.903	28.075	100.000
7	39.007	16.470	21.835	21.008	100.000	54.717	16.226	4.528	24.528	100.000	41.643	16.440	19.681	22.217	100.000
8	24.612	18.169	32.680	24.540	100.000	24.401	26.532	23.523	25.545	100.000	24.528	21.787	28.718	24.975	100.000
9	29.528	17.471	29.295	23.787	100.000	0.000	0.000	180.000	0.000	100.000	29.586	17.458	29.344	23.689	100.000
10	7.024	0.921	67.432	16.624	100.000	26.015	18.964	19.979	35.043	100.000	12.011	11.981	52.971	22.237	100.000
11	45.466	23.941	23.345	7.248	100.000	53.483	24.005	18.835	4.478	100.000	47.061	23.954	22.275	6.690	100.000
12	44.330	4.086	1.694	49.891	100.000	47.005	12.903	3.530	34.562	100.000	44.429	5.105	1.837	48.549	100.000
13	11.939	47.697	23.376	16.988	100.000	41.379	25.517	33.103	0.000	100.000	12.353	47.385	23.513	16.749	100.000
14	77.292	0.844	13.117	8.745	100.000	62.609	0.000	39.435	6.957	100.000	73.695	0.639	17.359	8.387	100.000
15	42.308	18.256	34.615	12.821	100.000	50.000	2.027	13.514	34.459	100.000	47.345	4.867	20.796	26.991	100.000
16	53.242	7.167	35.495	4.096	100.000	21.756	22.287	28.888	27.069	100.000	22.671	21.847	29.888	26.481	100.000
17	33.190	11.679	28.361	26.778	100.000	37.757	11.121	24.112	27.009	100.000	33.448	11.648	28.121	26.784	100.000
18	20.694	15.777	35.446	28.084	100.000	23.232	18.182	18.687	39.079	100.000	20.761	15.848	35.885	28.375	100.000
19	30.953	28.573	20.344	28.129	100.000	27.160	24.691	28.395	17.753	100.000	30.910	28.621	28.437	28.033	100.000
20	24.646	13.655	34.750	26.950	100.000	19.261	12.389	44.124	24.226	100.000	28.238	12.619	42.423	24.720	100.000
21	32.486	14.535	33.093	19.886	100.000	30.286	11.532	29.351	28.031	100.000	31.557	13.268	31.513	23.642	100.000
22	26.876	17.760	28.108	27.255	100.000	28.313	9.966	28.715	33.005	100.000	28.013	11.598	28.588	31.802	100.000
23	43.478	7.328	23.438	25.756	100.000	37.219	24.449	16.362	21.970	100.000	41.486	12.995	21.896	24.503	100.000

SEASONAL VARIATION (IN %)
IN 1985
WEST REGION

COMMODITY TYPE	INTO BANGKOK					FROM BANGKOK					INTO/FROM BANGKOK				
	1	2	3	4	T	1	2	3	4	T	1	2	3	4	T
1	22.952	30.072	29.642	17.334	100.000	23.920	39.829	21.938	14.313	100.000	23.149	32.061	28.071	16.718	100.000
2	25.092	25.055	22.829	27.024	100.000	7.385	35.395	14.769	42.462	100.000	25.085	25.059	22.824	27.030	100.000
3	32.767	24.580	25.208	17.445	100.000	30.163	29.052	19.828	20.954	100.000	31.459	24.826	22.506	19.209	100.000
4	20.217	37.184	24.765	17.834	100.000	23.136	22.391	24.025	30.447	100.000	22.307	26.596	24.236	26.062	100.000
5	25.722	20.301	25.946	28.031	100.000	37.949	25.433	19.308	17.310	100.000	28.095	21.297	24.658	25.950	100.000
6	22.721	26.107	25.891	25.282	100.000	25.450	23.300	24.528	26.722	100.000	23.219	25.594	25.642	25.545	100.000
7	29.569	28.385	19.720	21.925	100.000	12.676	14.319	37.676	35.329	100.000	23.985	23.517	25.934	26.564	100.000
8	14.546	25.699	24.238	33.527	100.000	23.816	26.776	25.262	24.144	100.000	23.689	26.757	25.244	24.310	100.000
9	18.819	44.583	23.854	12.743	100.000	10.000	22.000	36.000	32.000	100.000	18.523	43.826	24.262	13.389	100.000
10	26.758	27.057	23.662	22.524	100.000	38.299	15.442	28.787	17.551	100.000	27.389	26.421	23.939	22.752	100.000
11	53.885	25.517	16.322	4.274	100.000	8.108	91.892	0.000	0.000	100.000	53.680	25.932	16.220	4.249	100.000
12	58.034	16.787	11.031	14.149	100.000	30.081	47.967	9.756	12.195	100.000	55.531	19.578	10.917	13.974	100.000
13	32.724	31.610	16.705	18.961	100.000	8.451	43.662	3.756	44.131	100.000	32.600	31.672	16.638	19.891	100.000
14	21.477	26.510	34.913	15.101	100.000	14.545	0.000	26.364	59.091	100.000	19.468	19.363	34.869	26.961	100.000
15	33.557	37.584	18.121	18.738	100.000	42.584	29.665	21.833	6.699	100.000	38.827	32.961	19.832	8.380	100.000
16	28.557	21.861	20.674	28.966	100.000	16.698	26.917	34.867	21.518	100.000	18.271	26.239	32.985	22.506	100.000
17	18.716	31.854	22.332	27.897	100.000	31.149	15.755	17.919	35.177	100.000	19.527	30.804	22.844	27.624	100.000
18	27.130	17.873	28.246	26.751	100.000	34.891	12.727	23.182	30.800	100.000	27.476	17.618	27.995	26.912	100.000
19	20.918	23.624	23.870	32.386	100.000	27.595	37.722	15.949	19.734	100.000	21.241	24.387	22.725	31.727	100.000
20	21.819	23.818	35.478	19.693	100.000	23.039	21.784	28.016	27.169	100.000	22.469	22.354	38.121	25.854	100.000
21	23.258	23.153	31.950	21.638	100.000	21.866	24.693	22.514	30.726	100.000	22.451	23.825	27.835	25.489	100.000
22	29.379	27.569	38.937	21.115	100.000	22.936	26.568	23.713	26.791	100.000	22.335	26.798	25.411	25.454	100.000
23	25.505	22.135	26.086	26.274	100.000	24.878	23.387	23.314	28.421	100.000	25.247	22.650	24.945	27.158	100.000

SEASONAL VARIATION (IN %)
IN 1985
SOUTH REGION

COMMODITY TYPE	INTO BANGKOK					FROM BANGKOK					INTO/FROM BANGKOK				
	1	2	3	4	T	1	2	3	4	T	1	2	3	4	T
1	0.000	27.083	72.917	0.000	100.000	24.181	27.214	31.562	17.123	100.000	23.496	27.211	32.681	16.493	100.000
2	14.692	32.164	44.234	28.910	100.000	42.857	28.571	8.000	28.571	100.000	16.444	13.185	41.481	28.869	100.000
3	69.894	4.147	3.379	3.379	100.000	34.992	23.678	16.789	22.712	100.000	48.184	19.486	13.848	18.562	100.000
4	9.803	35.596	25.416	29.984	100.000	20.597	19.258	24.345	35.808	100.000	16.683	24.881	24.714	33.882	100.000
5	39.521	47.984	6.587	5.988	100.000	17.697	33.576	14.242	32.485	100.000	21.371	35.988	14.617	28.824	100.000
6	19.387	22.977	32.991	24.645	100.000	17.718	29.129	14.114	39.839	100.000	19.367	23.851	32.765	24.817	100.000
7	21.457	24.588	29.336	24.699	100.000	0.000	54.545	45.455	0.000	100.000	21.375	24.622	29.397	24.685	100.000
8	33.333	0.000	32.851	34.615	100.000	22.449	21.579	26.501	29.271	100.000	22.755	21.365	26.556	29.324	100.000
9	4.000	12.000	48.000	36.000	100.000	37.815	10.084	42.817	10.084	100.000	22.574	18.959	44.749	21.918	100.000
10	22.744	28.727	13.612	34.898	100.000	27.807	18.695	43.386	10.112	100.000	24.387	25.657	22.724	27.312	100.000
11	44.444	55.556	0.000	0.000	100.000						44.444	55.556	0.000	0.000	100.000
12	57.895	0.000	18.526	31.579	100.000	0.000	100.000	0.000	0.000	100.000	34.921	39.683	6.349	19.848	100.000
13	74.359	0.000	0.000	25.641	100.000	25.862	44.828	29.310	0.000	100.000	45.341	24.884	17.524	18.389	100.000
14	0.000	58.182	38.909	10.909	100.000	41.860	44.186	8.000	13.953	100.000	18.367	52.041	17.347	12.245	100.000
15	43.636	0.000	34.545	21.818	100.000	29.268	34.146	34.146	2.439	100.000	37.580	14.583	34.375	13.542	100.000
16	7.475	82.848	8.476	2.801	100.000	22.835	27.353	24.230	26.382	100.000	15.954	59.197	17.658	16.288	100.000
17	15.693	28.567	27.143	28.597	100.000	27.493	26.713	16.912	28.881	100.000	18.708	28.895	24.536	28.669	100.000
18	0.000	65.517	34.483	0.000	100.000	11.688	46.234	15.584	6.494	100.000	8.491	64.838	20.755	4.717	100.000
19	15.199	28.721	31.432	24.648	100.000	62.869	10.970	13.502	12.658	100.000	15.946	28.443	31.151	24.460	100.000
20	18.389	29.469	33.741	18.408	100.000	21.358	23.165	29.788	25.688	100.000	20.829	25.987	31.558	22.424	100.000
21	18.895	26.221	26.607	28.278	100.000	28.217	25.996	26.845	18.942	100.000	25.876	26.672	26.765	22.887	100.000
22	23.402	27.398	29.380	19.821	100.000	20.333	24.958	26.763	27.946	100.000	29.553	25.132	26.951	27.365	100.000
23	22.980	22.501	20.749	33.770	100.000	20.858	25.335	36.401	17.414	100.000	22.796	22.746	22.181	32.357	100.000

SEASONAL FACTORS OF EACH SURVEY STATION

CHANGHAT	SURVEY POINT	SEASONAL FACTORS				
		4MT	6MT	10MT	110MT	PT
	CM1 : IN	0.934	0.989	1.038	0.733	0.957
	: OUT	1.354	1.159	0.941	1.260	1.226
	CM2 : IN	0.717	1.133	1.139	1.000	0.901
	: OUT	1.347	0.978	0.537	1.357	1.212
CHIAIGHAT	CM3 : IN	1.520	1.072	1.145	1.000	1.058
	: OUT	1.467	1.021	0.958	1.000	1.189
	CM4 : IN	0.480	1.320	1.388	1.000	1.289
	: OUT	0.944	0.975	1.047	0.714	0.917
	CM5 : IN	0.934	0.986	0.997	0.707	0.952
	: OUT	1.617	1.098	0.911	1.413	1.234
	CM6 : IN	0.861	1.180	1.321	1.234	1.184
	: OUT	0.996	1.066	0.988	0.955	0.937
NAKHON SAWAN	NS1 : IN	0.682	0.974	0.789	0.901	1.018
	: OUT	1.079	1.249	1.242	1.397	1.277
	NS2 : IN	1.326	1.267	1.423	1.365	1.325
	: OUT	1.471	1.022	0.890	1.087	1.155
	NS3 : IN	0.975	0.980	1.010	1.110	0.800
	: OUT	1.000	1.213	1.273	1.137	1.295
	NR1 : IN	1.124	1.338	1.024	1.054	1.442
	: OUT	1.179	1.155	1.132	1.148	1.347
NAKHON RATCHASIMA	NR2 : IN	1.348	1.022	1.132	1.036	1.285
	: OUT	1.260	1.307	1.073	1.147	1.178
	NR3 : IN	1.146	1.145	1.229	1.195	1.110
	: OUT	1.847	2.889	1.942	1.061	1.426
	NR4 : IN	1.089	1.174	1.191	1.146	1.372
	: OUT	1.334	1.310	1.252	1.522	1.302
	KK1 : IN	1.251	1.161	1.213	0.891	1.333
	: OUT	0.964	1.133	1.180	1.109	1.035
KHON KAEN	KK2 : IN	0.991	1.281	1.372	0.815	1.235
	: OUT	1.605	1.405	1.456	0.698	1.422
	KK3 : IN	1.208	1.207	1.072	1.127	1.496
	: OUT	1.229	1.548	1.267	1.023	1.346
	KK4 : IN	1.061	1.118	1.358	1.683	1.089
	: OUT	1.357	1.111	1.362	1.237	1.381
	SX1 : IN	1.439	1.451	1.094	0.999	1.469
	: OUT	0.979	0.771	0.739	0.777	0.717
SONGKHLA	SX2 : IN	0.890	0.766	0.928	0.919	0.742
	: OUT	0.966	1.398	1.061	1.305	1.303
	SX3 : IN	0.452	0.808	0.874	0.956	0.794
	: OUT	0.959	0.744	1.180	1.671	1.422
	HY1 : IN	0.452	0.808	0.874	0.956	0.794
	(SX3):OUT	0.959	1.184	1.180	1.671	1.422
HAT YAI	HY2 : IN	1.297	0.978	0.930	1.339	0.823
	(SX4):OUT	1.052	1.028	1.141	1.870	1.113
	HY3 : IN	1.320	1.180	1.190	1.234	0.974
	(SX5):OUT	0.875	1.004	0.950	1.341	0.931

SUMMARY OF O/D YEARLY COMMODITY FLOWS

CHANGWAT : CHIANGMAI

(UNIT : THOUSAND TONS)

COMMODITY TYPE	TOTAL	THROUGH TO/FROM BANGKOK		CHANGWAT : CHIANGMAI		BANGKOK TO CH BANGKOK	CH TO BANGKOK	BANGKOK AND CH	OTHER CHANGWATS	
		INTO	FROM	INTO	FROM					
1 Rice	681	0	0	45	119	514	676	0	5	
2 Sand & Gravel	1827	0	0	152	136	1535	1823	3	0	
3 Cement & Products	1340	0	0	201	87	356	1245	95	0	
4 Steel	209	0	0	36	20	105	161	6	8	
5 Othr Construction	143	0	0	21	14	63	98	4	10	
6 Timber	718	0	0	422	34	235	692	0	0	
7 Firewood	112	0	0	7	15	90	112	0	0	
8 Petroleum Products	953	0	0	55	181	471	707	174	72	
9 Minerals	116	0	0	50	5	53	108	0	8	
10 Vegetable & Fruit	1118	0	0	203	239	576	1018	85	92	
11 Tapioca	5	0	0	0	0	5	5	0	0	
12 Maize	83	0	0	36	5	40	81	0	1	
13 Sugar	1	0	0	1	0	0	1	0	0	
14 Beans	30	0	0	20	3	7	30	0	0	
15 Jute & Products	14	0	0	1	2	11	14	0	0	
16 Beverages	414	0	0	58	38	285	380	23	11	
17 Processed Foods	1213	3	0	159	365	611	1136	30	45	
18 Animals	193	0	0	21	17	155	193	0	0	
19 Fish	50	0	0	10	14	13	38	0	0	
20 Fertilizer & Animal Feeds	444	0	0	103	38	226	368	6	19	
21 Personal Effects	556	0	13	106	128	208	441	75	27	
22 Other Manufactures	370	0	0	21	19	211	251	113	6	
23 All Others	1680	0	1	163	132	1286	1581	54	44	
TOTAL	12269	12	14	2489	1611	7057	11157	735	243	350

SUMMARY OF O/D YEARLY COMMODITY FLOWS

CHANGWAT : NAKHON SAWAN

(UNIT : THOUSAND TONS)

COMMODITY TYPE	TOTAL	THROUGH TO/FROM BANGKOK		CHANGWAT : NAKHON SAWAN		BANGKOK TO NS		BANGKOK AND NS		OTHER CHANGWATS
		INTO	FROM	INTO	FROM	TO NS	TO BANGKOK	NS	NS	
1 Rice	3606	288	80	1004	257	1620	20	2881	257	538
2 Sand & Gravel	619	29	139	84	65	154	0	303	0	147
3 Cement & Products	4067	34	727	110	481	236	30	827	0	2431
4 Steel	366	108	78	12	26	92	11	131	9	38
5 Othr Construction	308	10	87	28	12	27	0	66	12	144
6 Timber	1327	158	53	40	11	47	0	99	0	1017
7 Firewood	432	164	0	33	8	39	0	80	0	187
8 Petroleum Products	3306	239	1503	278	895	40	197	1213	90	154
9 Minerals	459	93	0	0	19	0	0	19	0	348
10 Vegetable & Fruit	2338	272	40	496	263	805	12	1564	95	450
11 Tapioca	2699	524	51	255	314	184	10	753	89	1360
12 Maize	387	129	71	49	54	8	0	112	30	73
13 Sugar	1060	366	57	289	15	186	0	491	47	147
14 Beans	407	235	26	79	0	6	10	85	35	51
15 Jute & Products	73	0	28	26	0	14	0	40	0	5
16 Beverages	1700	286	338	128	342	378	45	848	3	186
17 Processed Foods	837	10	115	142	263	140	19	545	11	148
18 Animals	532	35	41	17	39	40	0	97	0	359
19 Fish	236	0	44	3	59	15	19	77	6	95
20 Fertilizer & Animal Feeds	1019	77	382	54	22	147	80	222	9	258
21 Personal Effects	1546	183	386	154	131	247	75	532	33	370
22 Other Manufactures	864	70	242	46	84	314	6	444	26	101
23 All Others	1269	264	170	95	172	224	43	491	0	301
TOTAL	29657	3575	4660	3424	3531	4964	574	11919	751	8930

SUMMARY OF O/D YEARLY COMMODITY FLOWS

CHANGWAT : KHON KAEN

(UNIT : THOUSAND TONS)

COMMODITY TYPE	TOTAL	THROUGH TO/FROM BANGKOK		CHANGWAT : KHON KAEN		SUBTOTAL	BANGKOK TO KK	BANGKOK TO BANGKOK KK	BANGKOK AND KK	OTHER CHANGWATS
		INTO	FROM	INTO	FROM					
1 Rice	1880	77	23	633	439	421	0	68	68	287
2 Sand & Gravel	1016	0	160	221	10	513	57	11	68	55
3 Cement & Products	992	0	111	136	49	420	69	0	69	207
4 Steel	264	0	15	8	140	79	20	0	20	2
5 Othr Construction	80	0	10	1	9	54	1	0	1	5
6 Timber	1069	80	31	480	155	270	24	19	43	29
7 Firewood	87	15	5	14	0	33	0	14	14	20
8 Petroleum Products	1689	67	98	270	267	681	147	102	249	159
9 Minerals	0	0	0	0	0	0	0	0	0	0
10 Vegetable & Fruit	1017	33	29	262	124	295	19	30	49	255
11 Tapioca	5255	295	43	584	1384	1115	17	133	150	1818
12 Maize	171	0	0	7	152	4	7	0	7	0
13 Sugar	1146	226	11	143	141	87	11	464	474	527
14 Beans	10	8	0	2	0	0	0	0	0	-0
15 Jute & Products	986	11	8	406	45	471	21	0	21	24
16 Beverages	970	0	45	96	492	288	3	36	40	46
17 Processed Foods	697	135	44	151	105	109	22	8	30	131
18 Animals	131	0	0	16	8	50	1	0	1	57
19 Fish	49	8	3	24	4	9	0	0	0	0
20 Fertilizer & Animal Feeds	1041	0	27	690	23	192	5	0	5	104
21 Personal Effects	713	14	116	110	149	164	26	85	111	135
22 Other Manufactures	400	7	21	140	50	125	30	7	37	27
23 All Others	695	19	33	92	150	325	24	22	45	72
TOTAL	20356	996	833	4485	3874	5704	503	998	1501	3960

SUMMARY OF O/D YEARLY COMMODITY FLOWS

CHANGWAT : NAKHON RATCHASIMA

(UNIT : THOUSAND TONS)

COMMODITY TYPE	TOTAL	THROUGH TO/FROM BANGKOK		CHANGWAT : NAKHON RATCHASIMA		BANGKOK TO BANGKOK		BANGKOK AND OTHER CHANGWATS	
		INTO	FROM	INTO	FROM	NR TO NR	NR TO NR	NR	NR
		INTO	FROM	INTO	FROM	INTRA	SUBTOTAL	BANGKOK TO NR	BANGKOK AND OTHER CHANGWATS NR
1 Rice	5761	662	0	1181	429	2394	4004	211	240
2 Sand & Gravel	4390	0	555	219	889	1426	2533	89	89
3 Cement & Products	5388	0	1645	228	677	426	1332	156	165
4 Steel	728	55	217	28	17	263	308	65	74
5 Othr Construction	674	10	107	58	17	268	323	0	1
6 Fiber	1401	170	21	38	13	660	711	0	52
7 Firewood	145	7	13	35	0	71	106	10	10
8 Petroleum Products	3166	119	1493	153	370	672	1195	270	295
9 Minerals	0	0	0	0	0	0	0	0	0
10 Vegetable & Fruit	2675	139	71	1064	371	547	1981	45	109
11 Tapioca	35955	1127	180	12378	3253	13865	29697	400	989
12 Maize	20	0	5	4	0	0	4	10	10
13 Sugar	402	162	0	99	1	25	125	0	0
14 Beans	4	0	0	0	0	0	0	0	0
15 Jute & Products	1564	0	101	806	37	290	1133	188	224
16 Beverages	2310	57	200	538	141	1192	1871	134	188
17 Processed Foods	2384	361	188	404	461	471	1337	53	276
18 Animals	628	5	2	77	61	161	299	11	13
19 Fish	428	51	0	34	46	142	222	11	22
20 Fertilizer & Animal Feeds	2761	10	140	333	698	1267	2298	40	133
21 Personal Effects	3247	122	453	257	702	1073	2032	68	378
22 Other Manufactures	1213	72	126	298	56	501	855	36	56
23 All Others	2167	311	194	139	280	990	1409	27	27
TOTAL	77411	3441	5710	18350	8520	26705	53774	1814	3301
								1488	12672

SUMMARY OF O/D YEARLY COMMODITY FLOWS

CHANGNAT : SONGKHLA

COMMODITY TYPE	TOTAL	THROUGH TO/FROM BANGKOK		CHANGNAT : SONGKHLA		SUBTOTAL	BANGKOK TO SK		SK TO BANGKOK		BANGKOK AND SK	OTHER CHANGNATS
		INTO	FROM	INTO	FROM		TO SK	TO BANGKOK				
1 Rice	77	0	0	25	0	63	0	0	0	0	0	14
2 Sand & Gravel	354	0	0	55	17	354	0	0	0	0	0	0
3 Cement & Products	73	6	0	38	0	60	0	0	0	0	0	6
4 Steel	34	4	5	0	1	23	0	0	0	0	0	2
5 Othr Construction	21	0	7	0	5	14	0	0	0	0	0	9
6 Timber	342	81	0	45	2	256	0	0	0	0	0	5
7 Firewood	37	0	0	5	0	37	0	0	0	0	0	0
8 Petroleum Products	657	6	0	117	323	628	12	1	1	12	11	0
9 Minerals	0	0	0	0	0	0	0	0	0	0	0	0
10 Vegetable & Fruit	360	6	2	95	30	197	15	1	1	16	139	0
11 Tapioca	3	0	0	0	0	0	0	0	3	3	0	0
12 Maize	11	0	0	2	0	11	0	0	0	0	0	0
13 Sugar	16	0	9	0	0	7	0	0	0	0	0	0
14 Beans	0	0	0	0	0	0	0	0	0	0	0	0
15 Jute & Products	0	0	0	0	0	0	0	0	0	0	0	0
16 Beverages	114	0	11	6	10	96	7	0	0	0	0	0
17 Processed Foods	216	3	68	20	19	96	21	19	19	40	28	0
18 Animals	56	0	0	6	4	51	0	0	0	0	0	5
19 Fish	588	22	0	194	124	472	4	31	31	35	89	0
20 Fertilizer & Animal Feeds	293	40	7	34	48	211	12	19	19	31	23	0
21 Personal Effects	128	0	0	35	21	110	7	1	1	7	11	0
22 Other Manufactures	133	1	0	28	12	90	13	6	6	19	29	0
23 All Others	325	93	0	107	14	197	6	6	6	12	29	0
TOTAL	3838	263	109	810	631	2974	95	88	88	183	396	0

(UNIT : THOUSAND TONS)

SUMMARY OF O/D YEARLY COMMODITY FLOWS

AMPHOE : HAT YAI

COMMODITY TYPE	TOTAL	THROUGH TO/FROM BANGKOK		AMPHOE : HAT YAI		BANGKOK TO HY		BANGKOK AND HY		OTHER CHANGWATS	
		INTO	FROM	INTO	FROM	TO	HY	TO	HY	TO	CHANGWATS
		INTO	FROM	INTO	FROM	TO	HY	TO	HY	TO	CHANGWATS
1 Rice	278	0	0	58	22	57	138	5	0	5	135
2 Sand & Gravel	1137	0	0	109	38	990	1137	0	0	0	0
3 Cement & Products	814	0	15	200	135	230	555	29	26	55	215
4 Steel	100	20	9	4	0	51	55	6	11	17	11
5 Othr Construction	86	4	7	11	15	48	74	0	0	0	-0
6 Timber	890	57	0	103	23	593	719	0	19	19	114
7 Firewood	174	0	0	37	2	93	132	5	13	17	37
8 Petroleum Products	1003	33	0	164	178	594	936	15	19	34	19
9 Minerals	12	0	0	0	4	0	4	0	0	0	8
10 Vegetable & Fruit	556	35	21	147	64	171	382	23	2	25	94
11 Tapioca	35	0	10	6	8	0	14	0	12	12	12
12 Maize	93	0	0	21	0	49	70	23	0	23	-0
13 Sugar	131	0	69	10	2	10	29	34	0	34	0
14 Beans	51	0	0	0	0	18	18	9	0	9	4
15 Jute & Products	12	0	0	4	3	4	12	0	0	0	1
16 Beverages	442	0	55	32	80	225	337	11	17	27	38
17 Processed Foods	651	10	29	36	87	282	406	76	109	185	130
18 Animals	118	0	1	26	0	79	105	0	5	5	12
19 Fish	1397	42	0	330	99	738	1167	20	124	144	168
20 Fertilizer & Animal Feeds	960	7	34	196	99	403	698	78	120	198	143
21 Personal Effects	584	21	96	97	53	152	302	118	39	156	47
22 Other Manufactures	385	0	4	89	56	113	259	84	31	115	58
23 All Others	1730	142	1	379	124	878	1380	2	178	180	205
TOTAL	11620	371	351	2069	1094	5767	8930	538	723	1261	1430

(UNIT : THOUSAND TONS)

APPENDIX 4

APPENDICES FOR CHAPTER 4



Summary of Commodity Flow by Road, 1987, Chiang Mai

(UNIT : THOUSAND TONS)

COMMODITY TYPE	TOTAL	THROUGH TO/FROM BANGKOK		CHIANGMAI		BANGKOK TO CHANGMAI		BANGKOK TO CHANGMAI		BANGKOK AND CHANGMAI		OTHER CHANGMAI
		TO	FROM	INTO	FROM	TO CH	CH	TO CH	CH	TO CH	CH	
1 Rice	531	0	0	33	90	389	512	1	15	1	15	3
2 Sand & Gravel	462	0	0	38	34	387	460	1	2	1	2	0
3 Cement & Products	231	0	0	135	15	60	210	21	0	21	0	0
4 Steel	61	3	0	10	6	29	45	10	3	10	3	1
5 Other Construction	51	0	0	7	5	21	32	14	2	17	2	2
6 Timber	123	0	0	71	6	40	117	3	2	3	2	0
7 Firewood	87	0	0	5	11	68	84	0	0	0	0	0
8 Petroleum Products	183	0	0	10	32	83	125	49	8	49	8	0
9 Minerals	97	0	0	38	4	40	82	0	9	0	9	6
10 Vegetable & Fruit	192	0	0	34	40	97	171	7	13	7	13	0
11 Tapioca	10	0	0	0	0	4	4	0	6	0	6	0
12 Maize	79	0	0	27	4	30	62	0	16	0	16	1
13 Sugar	1	0	0	0	0	0	0	0	0	0	0	0
14 Beans	27	0	0	15	2	5	23	0	5	0	5	0
15 Jute & Products	11	0	0	1	1	9	11	0	0	0	0	0
16 Beverages	145	0	0	19	13	95	127	15	3	15	3	0
17 Processed Foods	807	2	0	105	242	405	753	5	38	5	38	10
18 Animals	148	0	0	16	13	117	146	0	1	0	1	0
19 Fish	17	0	0	3	4	4	12	0	0	0	0	0
20 Fertilizer & Animal Feeds	137	0	0	31	11	67	109	22	2	22	2	4
21 Personal Effects	92	0	2	17	20	33	70	12	6	12	6	2
22 Other Manufactures	493	0	0	25	23	255	303	175	10	175	10	5
23 All Others	748	0	0	72	58	564	694	23	23	23	47	8
TOTAL	4731	4	3	712	634	2803	4149	365	167	365	532	42

Summary of Commodity Flows by Road, 1987, Khon Kaen

(UNIT : THOUSAND TONS)

COMMODITY TYPE	TOTAL		THROUGH TO/FROM BANGKOK		CHANGWAT : KHON KAEN		BANGKOK TO BANGKOK		BANGKOK AND KK		OTHER CHANGWATS	
	TO	FROM	TO	FROM	INTO	FROM	TO	FROM	TO	FROM	TO	FROM
1 Rice	1160	43	13	56	335	246	236	837	2	143	144	123
2 Sand & Gravel	4	0	0	0	1	0	2	2	0	1	1	0
3 Cement & Products	42	0	4	4	5	2	15	21	9	1	9	7
4 Steel	77	0	4	4	2	34	19	55	17	1	18	0
5 Other Construction	136	0	17	17	2	14	88	105	4	2	6	9
6 Timber	147	10	4	14	59	19	33	112	4	16	20	1
7 Firewood	6	1	0	1	1	0	2	2	0	2	2	0
8 Petroleum Products	201	6	8	14	23	23	58	104	80	0	80	3
9 Minerals	1	0	0	0	0	0	0	0	0	1	1	0
10 Vegetable & Fruit	103	2	3	4	24	11	27	62	7	9	17	20
11 Tapioca	765	40	6	46	79	187	150	416	0	76	76	227
12 Maize	297	0	0	0	11	230	7	247	11	40	50	0
13 Sugar	171	16	1	16	10	10	6	26	1	123	124	4
14 Beans	12	2	0	2	1	0	0	0	0	10	10	0
15 Jute & Products	40	0	0	1	16	2	18	35	1	2	3	1
16 Beverages	184	0	8	8	16	84	49	149	23	2	26	2
17 Processed Foods	181	30	9	39	36	25	26	86	5	22	27	29
18 Animals	473	4	0	0	57	17	178	261	0	8	9	203
19 Fish	16	0	1	1	6	1	2	10	0	5	5	0
20 Fertilizer & Animal Feeds	3833	0	99	99	2509	82	698	3289	57	10	67	378
21 Personal Effects	108	2	12	14	12	16	17	45	10	35	44	5
22 Other Manufactures	711	10	30	40	198	71	176	445	184	13	197	29
23 All Others	144	3	5	9	16	23	37	96	17	13	30	9
TOTAL	8811	164	224	388	3437	1105	1864	6406	437	529	967	1051

Summary of Commodity Flows by Road, 1987, Nakhon Ratchasima

COMMODITY TYPE	TOTAL		THROUGH TO/FROM BANGKOK		CHANGKAT : NAKHON RATCHASIMA		BANGKOK TO BANGKOK		BANGKOK TO BANGKOK		BANGKOK AND OTHER CHANGKATS	
	TOTAL	SUBTOTAL	TO	FROM	INTO	FROM	INTRA	SUBTOTAL	TO	NR	NR	OTHER CHANGKATS
1 Rice	1969	0	215	0	384	140	779	1303	1	172	173	278
2 Sand & Gravel	46	6	0	6	2	10	15	27	1	1	2	11
3 Cement & Products	305	90	0	37	12	37	23	73	17	2	20	122
4 Steel	138	37	9	46	5	3	44	52	25	3	28	12
5 Other Construction	3154	501	45	546	179	79	1251	1509	5	3	8	1092
6 Timber	209	24	27	3	5	2	94	101	5	12	16	64
7 Firwood	26	1	2	3	6	0	12	17	4	4	4	1
8 Petroleum Products	1696	57	718	0	73	178	323	575	314	1	315	31
9 Minerals	4	0	0	0	0	0	0	0	0	4	4	0
10 Vegetable & Fruit	350	17	9	26	133	46	68	247	14	16	30	47
11 Tapioca	6131	186	30	538	2079	538	2292	4909	0	363	363	643
12 Maize	342	0	59	0	46	0	0	46	0	237	237	0
13 Sugar	186	73	0	73	45	0	11	56	0	4	4	52
14 Beans	8	0	0	0	0	0	0	0	1	5	6	2
15 Jute & Products	506	0	28	28	22	10	80	312	9	128	137	29
16 Beverages	293	7	141	30	64	17	141	221	34	2	36	5
17 Processed Foods	1017	135	70	205	151	173	176	500	8	221	229	83
19 Animals	458	3	2	5	55	43	115	212	2	20	21	219
19 Fish	123	14	0	14	9	12	38	60	13	0	13	36
20 Fertilizer & Animal Feeds	1166	4	56	59	133	279	505	917	98	20	118	72
21 Personal Effects	114	4	12	16	8	22	33	63	18	8	26	8
22 Other Manufactures	2955	166	289	455	688	130	1154	1971	249	39	288	240
23 All Others	2113	300	187	487	134	270	955	1359	22	36	57	210
TOTAL	23306	1261	2122	3383	4432	1988	8110	14530	837	1299	2136	3257

(UNIT : THOUSAND TONS)

Summary of Commodity Flows by Road, 1987, Songkhla

(UNIT : THOUSAND TONS)

COMMODITY TYPE	TOTAL		THROUGH TO/FROM BANGKOK		CHANGMAT : SONGKHLA		BANGKOK TO BANGKOK		BANGKOK AND OTHER CHANGMATS		
			TO	FROM	INTO	FROM	INTRA	SUBTOTAL	TO BANGKOK	SK TO BANGKOK	SK AND OTHER CHANGMATS
1 Rice	107	0	0	0	34	0	53	87	0	0	20
2 Sand & Gravel	492	0	0	0	77	24	392	492	0	0	0
3 Cement & Products	102	9	0	0	52	0	31	84	0	0	9
4 Steel	47	6	6	12	0	2	30	32	0	0	3
5 Other Construction	30	0	9	9	1	8	11	20	0	0	0
6 Timber	476	113	0	113	62	3	291	357	0	0	6
7 Firewood	52	0	0	0	7	0	45	52	0	0	0
8 Petroleum Products	566	5	0	5	101	280	163	544	8	8	9
9 Minerals	0	0	0	0	0	0	0	0	0	0	0
10 Vegetable & Fruit	63	0	0	0	17	5	13	35	1	2	25
11 Tapioca	4	0	0	0	0	0	0	0	0	4	0
12 Maize	16	0	0	0	2	0	13	16	0	0	0
13 Sugar	22	0	12	12	0	0	10	10	0	0	0
14 Beans	0	0	0	0	0	0	0	0	0	0	0
15 Jute & Products	91	0	0	0	0	0	0	0	0	0	0
16 Beverages	25	0	9	9	5	8	65	78	4	4	0
17 Processed Foods	78	0	8	8	2	2	7	12	1	2	1
18 Animals	0	0	0	0	8	6	57	71	0	0	7
19 Fish	242	10	0	10	83	33	66	203	1	11	18
20 Fertilizer & Animal Feeds	100	14	2	16	12	17	45	74	3	8	1
21 Personal Effects	13	0	0	0	4	2	1	12	0	0	1
22 Other Manufactures	245	2	0	2	54	22	97	173	25	27	43
23 All Others	366	106	0	106	122	16	86	224	7	9	26
TOTAL	3136	266	47	313	644	449	1483	2575	53	23	171

Summary of Commodity Flows by Road, 1987, Hat Yai

(UNIT : THOUSAND TONS)

COMMODITY TYPE	TOTAL	THROUGH TO/FROM BANGKOK		AMPHOE : HAT YAI		SUBTOTAL	BANGKOK TO AND FROM BANGKOK		SUBTOTAL	OTHER CHANGSAITS	
		TO	FROM	INTO	FROM		HY TO BANGKOK	HY FROM BANGKOK		HY TO BANGKOK	HY FROM BANGKOK
1 Rice	383	0	0	81	31	79	190	5	190	0	188
2 Sand & Gravel	1382	0	0	133	46	1203	1382	0	1382	0	0
3 Cement & Products	140	0	3	35	24	38	97	6	97	2	32
4 Steel	76	15	7	3	0	39	42	3	42	3	0
5 Other Construction	111	5	9	13	18	59	90	6	90	1	0
6 Timber	890	57	0	103	23	596	722	1	722	14	96
7 Firewood	73	0	0	16	1	39	55	2	55	6	10
8 Petroleum Products	366	12	0	60	65	218	344	10	344	1	0
9 Minerals	16	0	0	0	5	0	5	1	5	0	10
10 Vegetable & Fruit	90	6	4	24	11	28	63	2	63	1	15
11 Tapioca	43	0	12	8	9	0	17	0	17	14	0
12 Maize	3	0	0	1	9	2	2	1	2	0	0
13 Sugar	3	0	2	0	0	0	1	1	1	0	0
14 Beans	1	0	0	0	0	1	1	0	1	0	0
15 Jute & Products	16	0	0	5	4	5	14	0	14	1	1
16 Beverages	125	0	16	9	23	65	97	6	97	0	6
17 Processed Foods	72	1	3	4	10	33	47	5	47	12	2
18 Animals	1	0	0	0	0	0	1	0	1	0	0
19 Fish	513	16	0	124	37	277	438	5	438	40	15
20 Fertilizer & Animal Feeds	289	2	11	61	31	126	218	32	218	19	51
21 Personal Effects	50	2	9	9	5	14	27	8	27	4	7
22 Other Manufactures	654	0	8	160	101	204	464	162	464	8	12
23 All Others	717	59	1	160	52	371	584	2	584	60	11
TOTAL	6018	175	83	1010	497	3397	4903	264	4903	186	406

GROSS REGIONAL PRODUCT (LTD's Area Classification)

GDP 1975-2006 : (million baht)

Year	Agric.	Mining.	Manufact.	Cons.	Services	TOTAL
1975	62083.2	2485.0	36831.7	8514.3	93647.7	203561.9
1976	65898.6	2906.0	42579.7	10022.2	99868.6	221275.1
1977	65535.7	3526.6	48121.6	11996.2	108000.8	237180.9
1978	72513.6	4103.9	52521.5	13583.1	118404.1	261126.2
1979	71408.1	4531.2	57840.6	14546.3	128626.1	276952.3
1980	72785.3	4780.4	60639.2	16575.9	138115.7	292896.5
1981	77701.7	4622.9	64489.9	15500.2	148956.8	311271.5
1982	78501.1	4431.2	67317.9	15096.9	158686.2	324033.3
1983	81449.8	4414.1	72251.0	15926.8	168903.2	342944.9
1984	85901.5	5415.0	77082.7	17680.2	178127.3	364206.7
1985	87895.7	6012.0	78927.3	17602.7	188323.4	378761.1
1986	89407.4	6173.6	86940.2	16644.8	202636.3	401802.3
1987	91747.1	6397.3	91710.5	17434.1	215156.7	422445.7
1988	94060.6	6709.8	96555.2	18000.9	228175.7	443502.2
1989	96452.5	7257.4	102253.2	18959.0	242251.9	467174.0
1990	98925.5	7537.5	107806.0	19825.8	256933.7	491028.5
1991	101479.8	7734.2	113324.3	20491.8	272258.7	515288.8
1992	103680.5	8181.8	119765.0	21633.4	285620.0	538880.7
1993	106024.5	8398.4	126506.7	22824.0	299698.8	563452.4
1994	108528.0	8782.1	133674.7	24077.3	314577.2	589639.3
1995	111250.8	9334.9	141449.7	25421.6	330562.3	618019.3
1996	114146.5	9873.6	149691.2	26819.7	347396.0	647927.0
1997	116951.9	10368.9	157857.8	28226.8	364234.4	677637.8
1998	119935.4	10924.3	166533.5	29706.4	382049.4	709149.0
1999	123047.4	10797.3	175710.3	31213.1	400798.9	741567.0
2000	126336.9	10505.7	185449.3	32782.3	420578.8	775653.0
2001	129848.4	10658.5	195782.1	34446.1	441476.4	812211.5
2002	133239.1	10828.3	206580.0	36214.1	463152.5	850014.0
2003	136718.3	11000.7	217973.5	38072.8	485893.0	889658.4
2004	140288.4	11176.0	229995.4	40026.9	509749.9	931236.6
2005	143951.7	11354.0	242680.3	42081.4	534778.2	974845.6
2006	147710.7	11534.8	256064.8	44241.2	561035.4	1020587.0

GRP 1975-2006 : NORTHEASTERN (million baht)

Year	Agric.	Mining.	Manufact.	Cons.	Services	TOTAL
1975	16449.2	224.7	2494.6	1695.0	13624.8	34488.3
1976	16506.5	276.3	2690.9	1740.7	13810.8	35025.2
1977	14442.5	335.9	2842.9	1979.0	14482.7	34083.0
1978	17265.9	299.4	3112.2	2175.5	16271.3	39124.3
1979	18169.4	295.1	3412.6	2086.4	17537.2	41500.7
1980	19792.2	291.2	3229.8	2260.8	19000.1	44574.1
1981	19026.8	297.0	3222.0	2147.1	21266.8	45959.7
1982	18867.7	388.7	3391.0	2298.0	23595.9	48541.3
1983	22403.6	320.0	3482.1	2386.7	25490.5	54082.9
1984	21844.0	349.4	3983.4	2579.7	26521.1	55277.6
1985	22354.5	352.7	4069.3	2682.6	27775.4	57234.5
1986	22575.6	345.3	4397.8	2481.0	29873.0	59673.5
1987	23118.4	341.1	4554.5	2542.9	31731.0	62287.9
1988	23681.9	343.4	4710.3	2569.9	33656.0	64961.5
1989	24272.2	362.6	4903.7	2651.0	35742.1	67931.6
1990	24884.8	367.7	5085.1	2720.7	37901.0	70959.3
1991	25520.4	368.4	5260.7	2775.7	40142.6	74067.8
1992	26002.8	380.0	5475.2	2897.3	42163.9	76919.2
1993	26519.4	379.1	5698.7	3038.0	44293.7	79928.9
1994	27074.8	384.8	5936.9	3186.3	46544.0	83126.8
1995	27679.7	397.6	6196.6	3354.3	48960.4	86588.6
1996	28323.8	409.2	6471.9	3528.9	51505.3	90239.1
1997	28943.2	418.0	6739.1	3704.2	54053.4	93857.9
1998	29605.0	428.6	7023.7	3893.2	56748.1	97698.6
1999	30296.7	411.6	7324.7	4086.6	59584.7	101704.3
2000	31029.8	388.6	7644.2	4287.9	62576.8	105927.3
2001	31815.7	382.9	7984.1	4503.8	65737.3	110423.8
2002	32564.2	378.0	8326.5	4729.0	69024.6	115022.3
2003	33330.2	373.3	8683.7	4965.4	72476.3	119828.8
2004	34114.3	368.5	9056.1	5213.7	76100.6	124853.2
2005	34916.8	363.9	9444.6	5474.3	79906.1	130105.7
2006	35738.2	359.3	9849.7	5748.0	83901.9	135597.1

GRP 1975-2006 : NORTHERN (million baht)

Year	Agric.	Mining.	Manufact.	Cons.	Services	TOTAL
1975	14792.0	444.7	1443.1	1049.7	12243.1	29972.6
1976	15976.6	451.0	1614.2	1386.1	12582.6	32010.5
1977	14261.5	493.9	1843.4	1510.5	13478.3	31587.6
1978	16253.1	621.6	2124.1	1483.6	14629.3	35111.7
1979	16706.7	663.6	2200.2	1668.8	15583.4	36827.7
1980	16607.9	629.9	2001.6	1941.6	16091.1	37272.1
1981	18146.9	668.3	2011.0	1835.7	18420.7	41082.6
1982	18319.9	687.0	2104.7	2041.0	19358.4	42511.0
1983	18367.8	802.5	2265.7	2161.8	20878.0	44475.8
1984	19552.6	1287.5	2400.0	2332.4	21729.7	47302.2
1985	20131.4	1744.2	2450.3	2424.0	22948.8	49698.7
1986	20363.6	1858.6	2647.7	2310.1	24558.1	51738.1
1987	20863.6	1993.2	2741.6	2437.9	25954.9	53991.2
1988	21365.7	2157.1	2834.0	2535.3	27402.8	56295.7
1989	21895.1	2397.8	2950.5	2688.3	28973.0	58904.7
1990	22449.7	2554.7	3059.3	2828.8	30602.0	61494.5
1991	23025.3	2683.9	3164.3	2938.6	32296.4	64108.5
1992	23443.2	2899.0	3292.6	3116.6	33770.7	66522.1
1993	23891.8	3023.4	3426.6	3299.2	35324.9	68965.9
1994	24374.5	3203.7	3569.1	3491.1	36967.8	71606.2
1995	24901.8	3447.2	3743.9	3695.2	38735.8	74523.9
1996	25463.4	3687.5	3936.9	3907.9	40597.5	77593.2
1997	26003.0	3918.3	4126.6	4122.0	42454.5	80624.4
1998	26579.9	4176.3	4320.8	4346.6	44420.5	83852.1
1999	27183.0	4173.5	4545.9	4575.2	46489.7	86967.3
2000	27823.2	4105.2	4776.9	4813.3	48673.1	90191.7
2001	28510.0	4210.9	5021.8	5065.4	50980.8	93788.9
2002	29161.8	4326.4	5272.3	5335.2	53356.6	97452.2
2003	29828.4	4445.1	5535.3	5619.3	55843.1	101271.2
2004	30510.3	4567.0	5811.4	5918.6	58445.5	105252.8
2005	31207.8	4692.3	6101.3	6233.8	61169.2	109404.4
2006	31921.2	4821.0	6405.7	6565.8	64019.8	113733.4

GRP 1975-2006 : SOUTHERN (million baht)

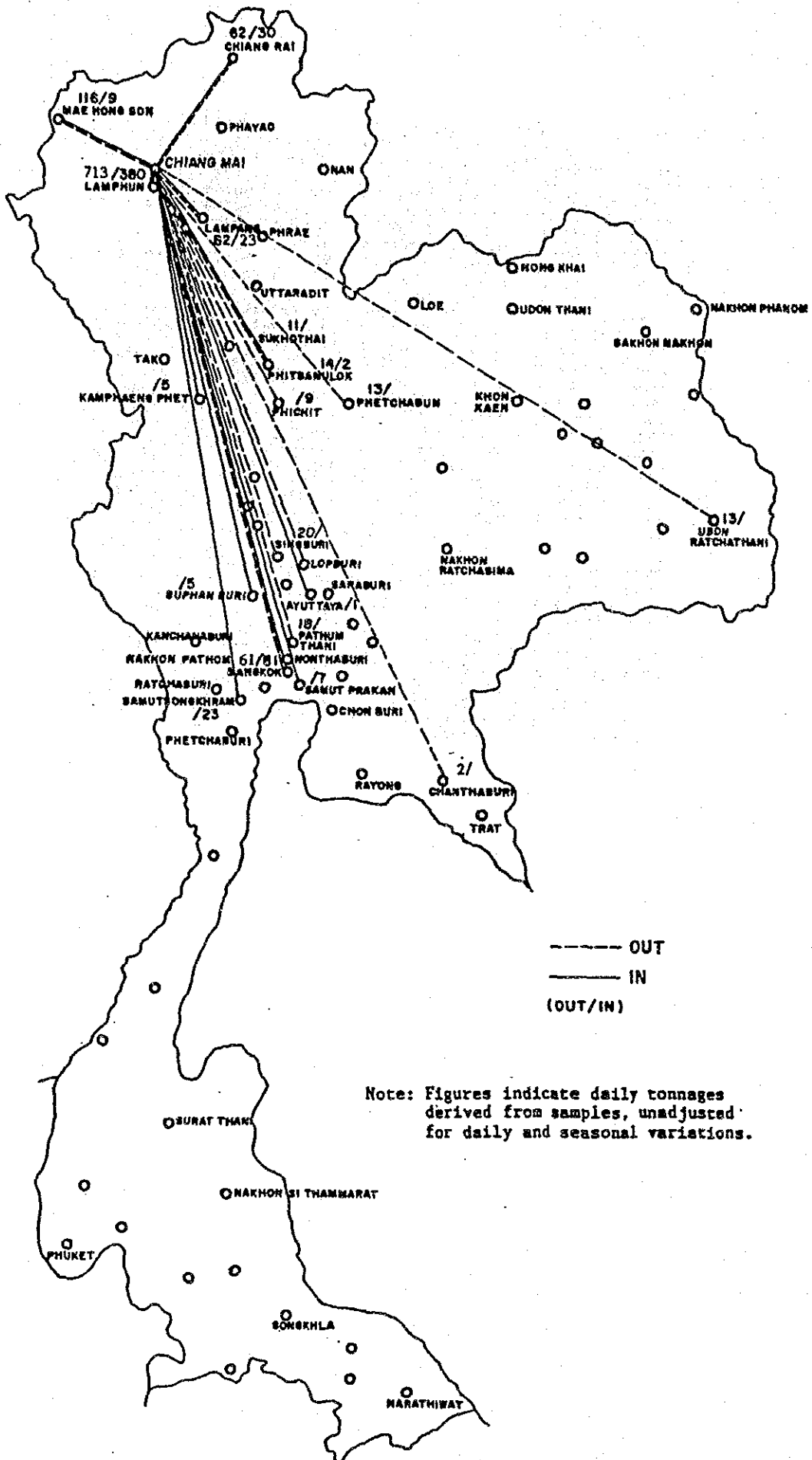
Year	Agric.	Mining.	Manufact.	Cons.	Services	TOTAL
1975	9394.7	985.2	870.6	821.3	8980.8	21052.6
1976	10096.3	1170.1	997.4	1011.5	9686.1	22961.4
1977	11527.0	1458.5	1156.4	1198.9	10502.5	25843.3
1978	12007.1	1807.9	1204.3	1210.4	11426.9	27656.6
1979	11938.6	1839.2	1375.8	1579.5	12255.1	28988.2
1980	12073.3	1889.9	1512.0	1482.4	12504.0	29461.6
1981	12852.1	1632.1	1301.9	1567.4	13613.7	30967.2
1982	12410.3	1424.0	1280.5	1481.4	14081.6	30677.8
1983	13981.4	1151.2	1356.9	1603.9	15372.1	33465.5
1984	13968.4	1298.0	1466.6	1796.8	15998.4	34528.2
1985	14559.6	1152.4	1510.2	1842.3	16834.9	35899.4
1986	15152.3	1078.9	1634.1	1752.7	18003.0	37621.0
1987	15555.7	1013.3	1694.6	1846.3	19010.9	39120.8
1988	15934.9	957.9	1755.0	1916.9	20053.6	40618.3
1989	16314.1	930.5	1829.3	2029.4	21183.7	42287.0
1990	16692.5	861.1	1899.3	2132.3	22353.5	43938.7
1991	17074.1	783.3	1967.4	2212.3	23567.7	45604.8
1992	17543.5	735.5	2049.9	2343.2	24631.8	47303.9
1993	18039.1	692.6	2136.2	2477.5	25753.6	49099.0
1994	18563.9	675.9	2227.9	2618.4	26940.1	51026.2
1995	19126.9	670.3	2328.0	2768.6	28216.6	53110.4
1996	19720.3	661.5	2433.9	2924.8	29561.4	55301.9
1997	20300.5	646.6	2537.0	3082.1	30901.8	57468.0
1998	20914.2	634.2	2646.6	3247.1	32321.0	59763.1
1999	21552.4	584.6	2763.0	3414.9	33814.7	62129.6
2000	22224.3	529.4	2891.8	3589.9	35391.1	64626.5
2001	22937.9	498.1	3029.3	3774.8	37057.4	67297.5
2002	23641.9	470.9	3164.8	3972.4	38770.8	70020.8
2003	24367.4	445.1	3306.4	4180.4	40563.5	72862.8
2004	25115.3	420.8	3454.4	4399.2	42439.0	75828.6
2005	25886.1	397.8	3608.9	4629.5	44401.3	78923.5
2006	26680.5	376.0	3770.4	4871.8	46454.2	82153.0

(million baht)

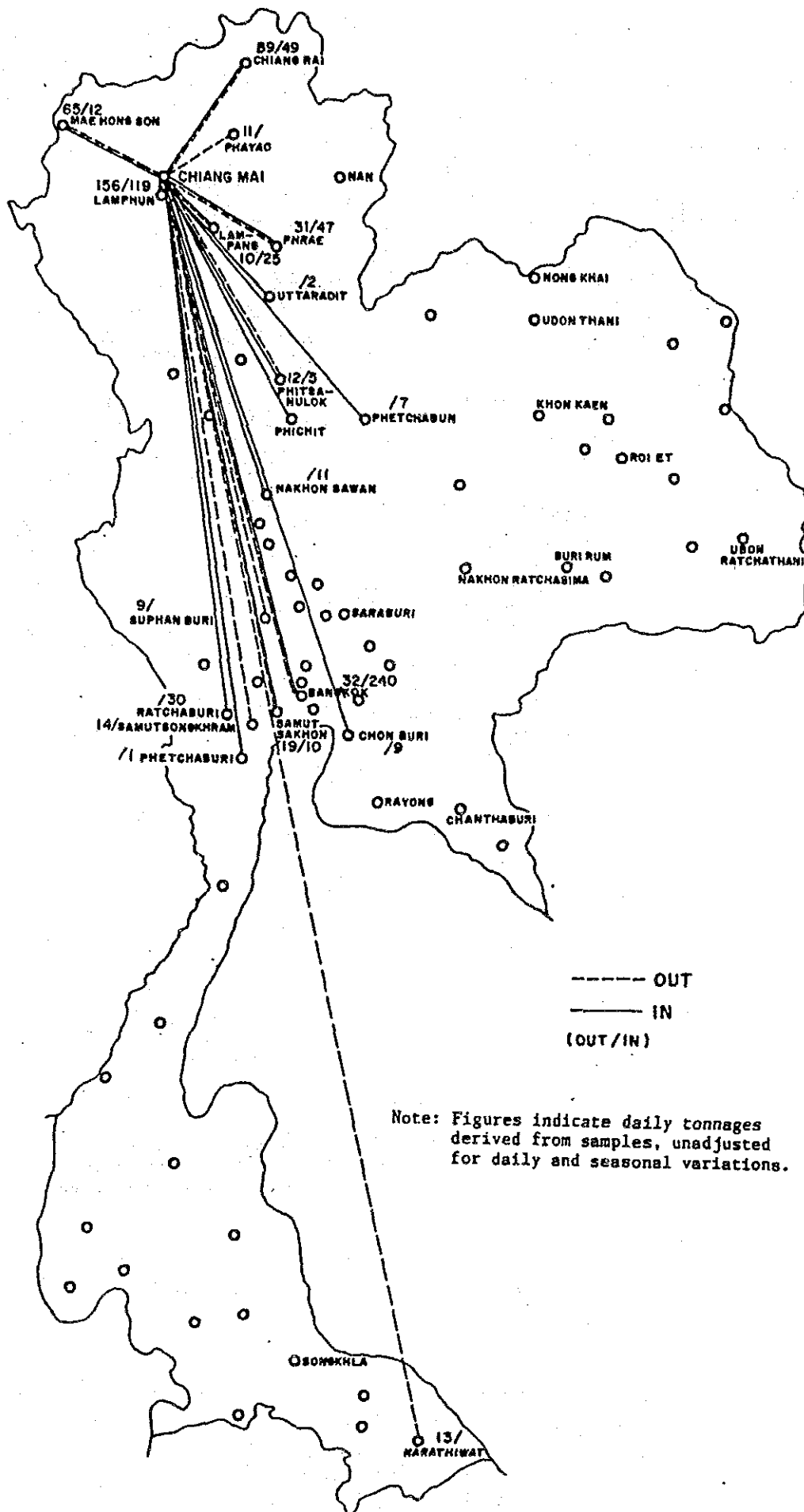
GRP 1975-2006 : CENTRAL & NORTH

Year	Agric.	Minina.	Manufact	Cons.	Services	TOTAL
1975	20965.4	686.8	28203.5	5099.2	58256.6	113211.5
1976	22023.8	747.9	33113.8	6204.5	62554.2	124644.2
1977	21341.0	876.1	37305.9	7639.4	68208.0	135370.4
1978	22738.1	1050.3	40971.6	8789.3	75182.2	148731.5
1979	23847.2	1149.7	45430.6	9588.5	82674.7	162690.7
1980	23428.7	1194.1	48973.1	11419.4	89782.2	173797.5
1981	26023.8	1283.1	52155.1	10453.3	93782.3	183697.6
1982	26130.7	1245.7	53733.8	9917.7	100118.0	191145.9
1983	25333.8	1441.8	58290.0	10351.9	106419.7	201837.2
1984	27827.7	2049.3	61627.3	11572.0	112958.0	216034.3
1985	28589.8	2697.2	62994.0	11279.4	119810.9	225371.3
1986	28903.6	2866.3	69551.9	10712.0	129166.1	241199.9
1987	29600.6	3066.5	73530.7	11267.1	137377.4	254842.3
1988	30292.9	3311.5	77577.7	11680.1	145934.3	268796.5
1989	31017.5	3674.0	82318.1	12348.4	155173.2	284531.2
1990	31773.3	3907.8	86951.4	12956.7	164844.4	300433.6
1991	32556.9	4098.7	91564.8	13423.7	174964.9	316609.0
1992	33162.3	4420.9	96931.1	14201.0	183722.6	332437.9
1993	33811.4	4604.3	102550.1	15002.8	192949.9	348910.5
1994	34508.9	4872.7	108523.4	15846.8	202699.6	366451.4
1995	35269.9	5236.9	115001.8	16745.1	213171.1	385424.8
1996	36080.2	5596.1	121869.8	17680.0	224197.7	405423.8
1997	36859.4	5936.9	128686.3	18620.9	235235.7	425339.2
1998	37691.8	6315.8	135926.6	19607.1	246912.9	446454.2
1999	38561.8	6300.0	143584.8	20611.0	259201.4	468259.0
2000	39485.0	6185.3	151707.4	21656.2	272164.5	491190.4
2001	40474.5	6331.3	160323.1	22762.5	285859.1	515750.5
2002	41415.6	6492.9	169362.1	23942.4	300093.3	541306.3
2003	42378.6	6658.6	178910.6	25183.5	315036.2	568167.6
2004	43364.1	6828.6	188997.6	26488.9	330723.2	596402.3
2005	44372.4	7002.9	199653.2	27861.9	347191.3	626081.7
2006	45404.1	7181.6	210909.6	29306.1	364479.5	657281.0

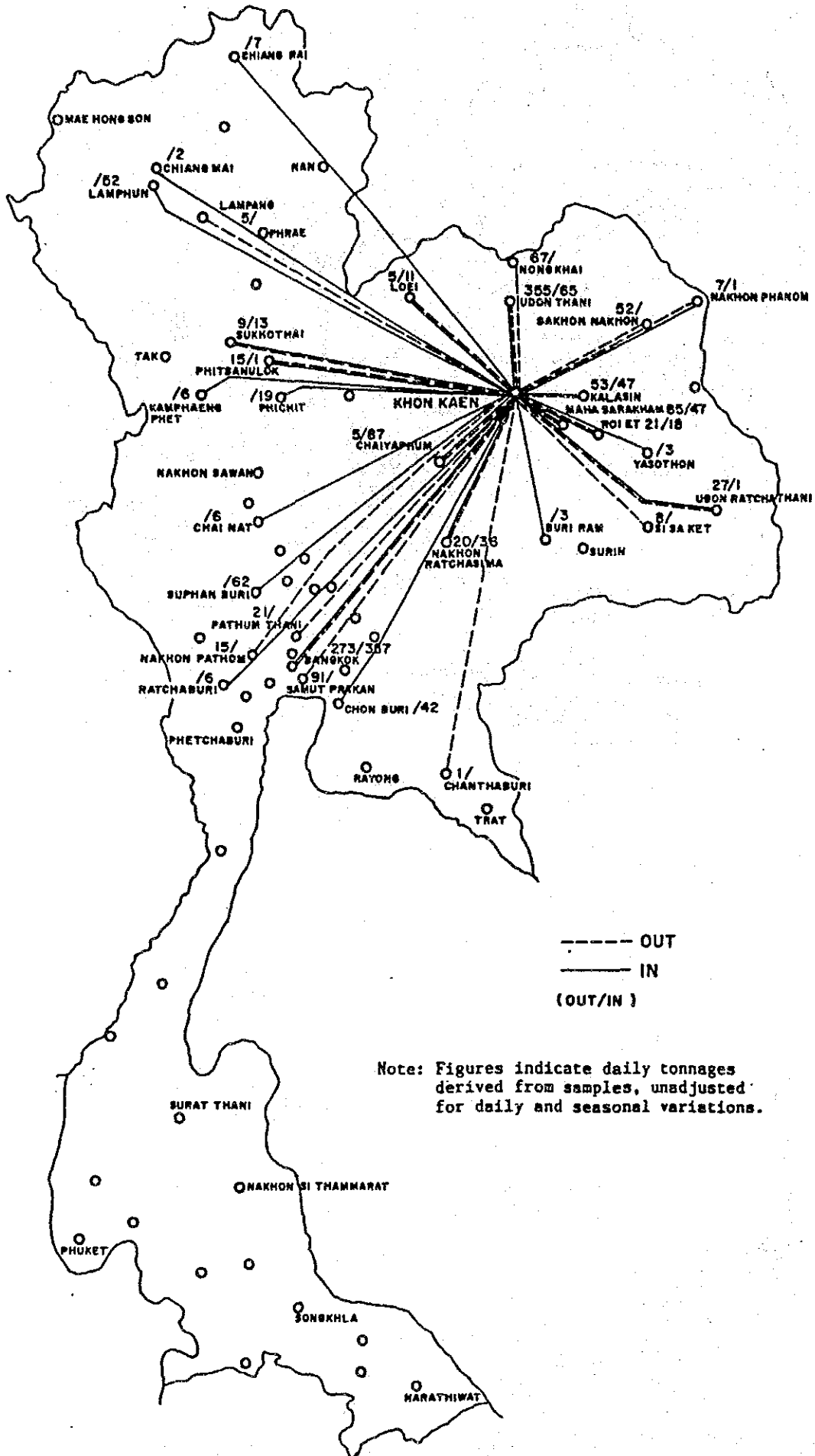
CHIANG MAI : DAILY COMMODITY FLOWS (TONS)
 COMMODITY TYPE : PROCESSED FOODS



CHIANG MAI : DAILY COMMODITY FLOWS (TONS)
 COMMODITY TYPE : HOUSEHOLD APPLIANCES



KHON KAEN : DAILY COMMODITY FLOWS (TONS)
 COMMODITY TYPE : HOUSEHOLD APPLIANCES



Gross Domestic Products

(million baht)

Year	Agric.	Mining.	Manufact	Const.	Services	TOTAL
1975	62083.2	2485.0	36831.7	8514.3	93647.7	203561.9
1976	65898.6	2906.0	42579.7	10022.2	99868.6	221275.1
1977	65535.7	3526.6	48121.6	11996.2	108000.8	237180.9
1978	72513.6	4103.9	52521.5	13583.1	118404.1	261126.2
1979	71408.1	4531.2	57840.6	14546.3	128626.1	276952.3
1980	72785.3	4780.4	60639.2	16575.9	138115.7	292896.5
1981	77701.7	4622.9	64489.9	15500.2	148956.8	311271.5
1982	78501.1	4431.2	67317.9	15096.9	158686.2	324033.3
1983	81449.8	4414.1	72251.0	15926.8	168903.2	342944.9
1984	85901.5	5415.0	77082.7	17680.2	178127.3	364206.7
1985	87895.7	6012.0	78927.3	17602.7	188323.4	378761.1
1986	89407.4	6173.6	86940.2	16644.8	202636.3	401802.3
1987	91747.1	6397.3	91710.5	17434.1	215156.7	422445.7
1988	94060.6	6709.8	96555.2	18000.9	228175.7	443502.2
1989	96452.5	7257.4	102253.2	18959.0	242251.9	467174.0
1990	98925.5	7537.5	107806.0	19825.8	256933.7	491028.5
1991	101479.8	7734.2	113324.3	20491.8	272258.7	515288.8
1992	103680.5	8181.8	119765.0	21633.4	285620.0	538880.7
1993	106024.5	8398.4	126506.7	22824.0	299698.8	563452.4
1994	108528.0	8782.1	133674.7	24077.3	314577.2	589639.3
1995	111250.8	9334.9	141449.7	25421.6	330562.3	618019.3
1996	114146.5	9873.6	149691.2	26819.7	347396.0	647927.0
1997	116951.9	10368.9	157857.8	28226.8	364234.4	677639.8
1998	119935.4	10924.3	166533.5	29706.4	382049.4	709149.0
1999	123047.4	10797.3	175710.3	31213.1	400798.9	741567.0
2000	126336.9	10505.7	185449.3	32782.3	420578.8	775653.0
2001	129848.4	10658.5	195782.1	34446.1	441476.4	812211.5
2002	133239.1	10828.3	206580.0	36214.1	463152.5	850014.0
2003	136718.3	11000.7	217973.5	38072.8	485893.0	889658.4
2004	140288.4	11176.0	229995.4	40026.9	509749.9	931236.6
2005	143951.7	11354.0	242680.3	42081.4	534778.2	974845.6
2006	147710.7	11534.8	256064.8	44241.2	561035.4	1020587.0

Gross Regional Products of Chiang Mai Influence Area

(million baht)

Year	Agric.	Mining.	Manufact	Const.	Services	TOTAL
1975	9565.9	344.9	879.9	768.6	8554.4	20113.7
1976	9577.8	347.6	995.4	887.4	8891.2	20699.4
1977	9722.3	352.8	1241.9	1014.9	9593.6	21925.5
1978	10344.3	488.0	1416.5	1177.1	10580.9	24006.8
1979	10677.8	544.2	1419.1	1238.6	11368.8	25248.5
1980	10188.2	501.7	1251.7	1520.2	11742.8	25204.6
1981	10779.7	516.1	1188.0	1479.3	13385.5	27348.6
1982	11254.6	522.1	1231.1	1493.9	13930.5	28432.2
1983	11135.5	479.7	1246.9	1629.3	15101.1	29592.5
1984	11711.7	801.4	1322.6	1745.4	15696.2	31277.3
1985	11987.3	1204.9	1356.2	1813.9	16595.1	32957.4
1986	12049.8	1280.6	1446.8	1734.6	17784.2	34296.0
1987	12250.2	1370.1	1479.1	1836.4	18826.6	35762.4
1988	12453.6	1479.6	1510.0	1915.6	19908.2	37267.0
1989	12670.9	1641.7	1551.8	2036.9	21079.2	38980.5
1990	12901.0	1746.2	1588.9	2149.2	22295.5	40680.8
1991	13138.4	1831.6	1622.9	2238.2	23561.5	42392.6
1992	13257.8	1975.6	1668.1	2379.5	24665.2	43946.2
1993	13391.7	2057.7	1714.9	2524.5	25828.3	45517.1
1994	13542.3	2177.6	1764.7	2676.9	27057.9	47219.4
1995	13714.6	2340.6	1839.0	2839.1	28380.2	49113.5
1996	13902.7	2501.1	1925.7	3008.1	29772.6	51110.2
1997	14075.8	2657.6	2010.4	3178.5	31163.0	53085.3
1998	14266.1	2834.0	2101.0	3357.0	32634.7	55192.8
1999	14467.3	2833.6	2200.2	3539.1	34183.5	57223.7
2000	14685.2	2788.5	2305.8	3728.8	35817.7	59326.0
2001	14924.3	2858.9	2417.9	3929.5	37544.6	61675.2
2002	15137.5	2937.9	2530.5	4145.2	39327.3	64078.3
2003	15353.7	3019.1	2648.4	4372.8	41194.6	66588.4
2004	15573.0	3102.5	2771.7	4612.8	43150.5	69210.5
2005	15795.4	3188.2	2900.8	4866.0	45199.4	71949.8
2006	16021.0	3276.3	3035.9	5133.1	47345.5	74811.8

Gross Regional Products of Khon Kaen Influence Area

(million baht)

Year	Agric.	Mining.	Manufact	Const.	Services	TOTAL
1975	11064.3	158.5	1934.5	1083.2	8939.7	23180.2
1976	11217.9	198.7	1997.9	1237.0	9130.6	23782.1
1977	9497.0	241.3	2049.5	1190.2	9570.2	22548.2
1978	11421.3	201.5	2203.8	1291.7	10703.8	25822.1
1979	11973.0	196.1	2403.6	1504.6	11663.0	27740.3
1980	12980.1	197.2	2271.4	1621.8	12448.4	29518.9
1981	12865.8	201.6	2312.5	1553.2	14060.6	30993.7
1982	12451.6	265.5	2471.3	1665.8	15669.3	32523.5
1983	15307.3	211.5	2517.3	1714.9	16863.5	36614.5
1984	15035.0	229.1	2879.5	1850.9	17541.0	37535.5
1985	15416.3	232.8	2947.3	1922.1	18447.4	38965.9
1986	15630.7	226.7	3172.7	1800.1	19875.9	40706.1
1987	16074.4	222.6	3272.9	1867.9	21147.8	42585.6
1988	16543.4	223.7	3371.9	1911.1	22466.9	44517.0
1989	17035.5	237.7	3497.1	1995.3	23895.7	46661.3
1990	17543.2	242.7	3612.9	2073.5	25376.1	48848.4
1991	18068.2	244.7	3724.0	2145.8	26914.6	51097.3
1992	18473.6	254.1	3861.9	2267.6	28303.9	53161.1
1993	18904.6	255.2	4005.3	2392.7	29767.6	55325.4
1994	19364.5	260.8	4158.4	2524.6	31314.0	57622.3
1995	19861.6	271.1	4325.8	2675.2	32973.6	60107.3
1996	20388.2	280.9	4503.2	2831.8	34721.4	62725.5
1997	20898.8	288.7	4674.2	2989.8	36472.9	65324.4
1998	21441.6	298.0	4856.5	3155.4	38325.0	68076.5
1999	22007.8	288.1	5049.3	3324.2	40274.3	70943.7
2000	22605.5	274.0	5254.0	3499.9	42330.7	73964.1
2001	23243.7	271.6	5471.9	3688.6	44502.4	77178.2
2002	23861.1	269.9	5689.3	3888.9	46767.1	80476.4
2003	24494.9	268.2	5915.4	4100.0	49147.1	83925.7
2004	25145.6	266.6	6150.5	4322.6	51648.2	87533.4
2005	25813.5	264.9	6394.9	4557.2	54276.6	91307.2
2006	26499.2	263.3	6649.0	4804.7	57038.7	95254.9

Gross Regional Products of Nakhon Sawan Influence Area

(million baht)

Year	Agric.	Mining.	Manufact	Const.	Services	TOTAL
1975	11574.6	373.9	1951.5	864.3	10165.3	24929.6
1976	12321.9	397.0	2205.1	1123.6	10493.7	26541.3
1977	11601.5	521.1	2406.6	1242.0	11318.3	27089.5
1978	12490.7	585.1	2884.1	1115.6	12112.7	29188.2
1979	12861.7	633.6	3049.8	1176.8	12763.4	30485.3
1980	12551.0	699.8	3032.4	1322.7	13176.8	30782.7
1981	14739.3	738.5	3107.2	1261.8	15101.6	34948.4
1982	15124.8	676.9	3279.8	1489.5	15670.0	36241.0
1983	14357.7	927.2	3432.1	1403.3	16628.8	36749.1
1984	16236.2	1416.2	3846.5	1545.1	17248.2	40292.2
1985	16630.6	1827.4	3944.7	1598.5	18232.8	42234.0
1986	16881.8	1958.2	4330.6	1496.1	19443.8	44110.5
1987	17375.7	2110.9	4553.5	1552.1	20492.6	46084.8
1988	17871.2	2294.7	4779.3	1587.1	21576.1	48108.4
1989	18384.8	2560.6	5046.6	1656.3	22751.6	50399.9
1990	18925.0	2737.9	5306.0	1716.5	23967.4	52652.8
1991	19485.0	2885.6	5563.1	1756.6	25228.5	54918.8
1992	19960.7	3126.2	5864.4	1837.2	26324.7	57113.2
1993	20465.2	3269.2	6180.0	1924.1	27480.8	59319.3
1994	21001.5	3473.1	6515.4	2017.4	28702.9	61710.3
1995	21579.3	3745.4	6878.7	2116.6	30019.6	64339.6
1996	22190.3	4014.9	7263.4	2219.7	31406.5	67094.8
1997	22784.8	4266.6	7643.5	2322.7	32786.7	69804.3
1998	23415.1	4542.5	8047.7	2431.1	34248.6	72685.0
1999	24071.9	4534.5	8475.0	2540.6	35787.3	75409.3
2000	24764.9	4455.5	8928.3	2654.4	37411.3	78214.4
2001	25502.2	4565.1	9409.3	2775.3	39128.3	81380.2
2002	26221.7	4686.3	9909.3	2902.1	40887.0	84606.4
2003	26961.5	4810.8	10435.8	3034.7	42724.8	87967.5
2004	27722.2	4938.5	10990.3	3173.4	44645.1	91469.4
2005	28504.3	5069.7	11574.2	3318.4	46651.8	95118.3
2006	29308.5	5204.3	12189.2	3470.0	48748.7	98920.6

Gross Regional Products of Nakhon Ratchasima Influence Area

(million baht)

Year	Agric.	Mining.	Manufact	Const.	Services	TOTAL
1975	9085.4	177.5	1654.8	994.2	8247.9	20159.8
1976	9408.6	229.6	1791.8	997.8	8392.0	20819.8
1977	8808.5	286.1	1828.1	1309.2	8837.9	21069.8
1978	10439.9	236.0	2183.7	1518.2	10018.2	24396.0
1979	10791.9	211.1	2508.0	1287.4	10607.3	25405.7
1980	11523.7	200.8	2381.2	1516.3	11651.8	27273.8
1981	10983.6	202.7	2314.1	1469.9	13143.6	28113.9
1982	11418.0	260.6	2461.5	1544.1	14658.4	30342.6
1983	13489.3	232.1	2525.0	1620.3	15720.9	33587.6
1984	13153.7	256.8	2883.6	1756.5	16422.7	34473.3
1985	13441.0	256.5	2946.1	1826.5	17186.1	35656.2
1986	13657.0	248.6	3207.3	1715.8	18525.5	37354.2
1987	14070.1	242.8	3345.5	1785.9	19719.3	39163.6
1988	14480.1	242.5	3484.0	1832.7	20957.6	40996.9
1989	14903.6	255.7	3651.8	1919.0	22299.0	43029.1
1990	15343.3	258.7	3812.0	1994.9	23688.6	45097.5
1991	15797.8	258.7	3969.3	2048.3	25132.5	47206.6
1992	16201.7	266.4	4157.0	2152.3	26439.8	49217.2
1993	16629.2	265.3	4353.1	2275.3	27817.0	51339.9
1994	17083.5	268.7	4561.8	2405.5	29271.9	53691.4
1995	17571.5	277.2	4788.6	2553.8	30833.4	56024.5
1996	18087.2	284.7	5028.6	2708.2	32477.5	58586.2
1997	18589.9	290.3	5264.1	2864.3	34125.9	61134.5
1998	19122.3	297.1	5514.6	3027.6	35868.8	63830.4
1999	19676.7	284.8	5779.4	3194.4	37703.3	66638.6
2000	20260.9	268.3	6060.6	3368.1	39638.0	69595.9
2001	20882.5	263.9	6359.1	3551.8	41681.5	72738.8
2002	21491.4	260.1	6664.8	3749.8	43814.3	75980.3
2003	22118.1	256.3	6985.1	3958.7	46056.2	79374.4
2004	22763.0	252.6	7320.9	4179.4	48412.8	82928.6
2005	23426.8	248.9	7672.8	4412.3	50889.9	86650.7
2006	24109.9	245.3	8041.6	4658.2	53493.9	90548.9

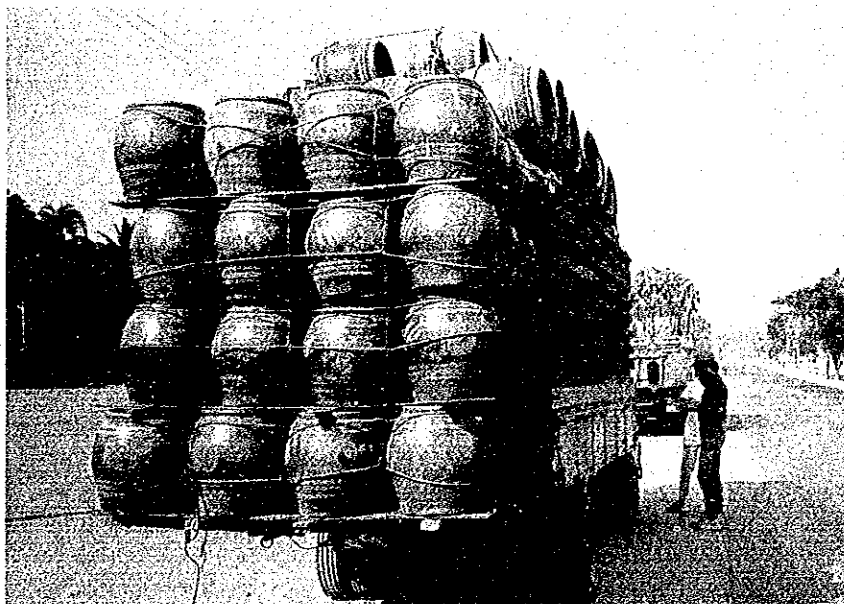
Gross Regional Products of Hat Yai/Songkhla Influence Area

(million baht)

Year	Agric.	Mining.	Manufact	Const.	Services	TOTAL
1975	9394.7	985.2	870.6	821.3	8980.8	21052.6
1976	10096.3	1170.1	997.4	1011.5	9686.1	22961.4
1977	11527.0	1458.5	1156.4	1198.9	10502.5	25843.3
1978	12007.1	1807.9	1204.3	1210.4	11426.9	27656.6
1979	11938.6	1839.2	1375.8	1579.5	12255.1	28988.2
1980	12073.3	1889.9	1512.0	1482.4	12504.0	29461.6
1981	12852.1	1632.1	1301.9	1567.4	13613.7	30967.2
1982	12410.3	1424.0	1280.5	1481.4	14081.6	30677.8
1983	13981.4	1151.2	1356.9	1603.9	15372.1	33465.5
1984	13968.4	1298.0	1466.6	1796.8	15998.4	34528.2
1985	14559.6	1152.4	1510.2	1842.3	16834.9	35899.4
1986	15152.3	1078.9	1634.1	1752.7	18003.0	37621.0
1987	15555.7	1013.3	1694.6	1846.3	19010.9	39120.8
1988	15934.9	957.9	1755.0	1916.9	20053.6	40618.3
1989	16314.1	930.5	1829.3	2029.4	21183.7	42287.0
1990	16692.5	861.1	1899.3	2132.3	22353.5	43938.7
1991	17074.1	783.3	1967.4	2212.3	23567.7	45604.8
1992	17543.5	735.5	2049.9	2343.2	24631.8	47303.9
1993	18039.1	692.6	2136.2	2477.5	25753.6	49099.0
1994	18563.9	675.9	2227.9	2618.4	26940.1	51026.2
1995	19126.9	670.3	2328.0	2768.6	28216.6	53110.4
1996	19720.3	661.5	2433.9	2924.8	29561.4	55301.9
1997	20300.5	646.6	2537.0	3082.1	30901.8	57468.0
1998	20914.2	634.2	2646.6	3247.1	32321.0	59763.1
1999	21552.4	584.6	2763.0	3414.9	33814.7	62129.6
2000	22224.3	529.4	2891.8	3589.9	35391.1	64626.5
2001	22937.9	498.1	3029.3	3774.8	37057.4	67297.5
2002	23641.9	470.9	3164.8	3972.4	38770.8	70020.8
2003	24367.4	445.1	3306.4	4180.4	40563.5	72862.8
2004	25115.3	420.8	3454.4	4399.2	42439.0	75828.6
2005	25886.1	397.8	3608.9	4629.5	44401.3	78923.5
2006	26680.5	376.0	3770.4	4871.8	46454.2	82153.0

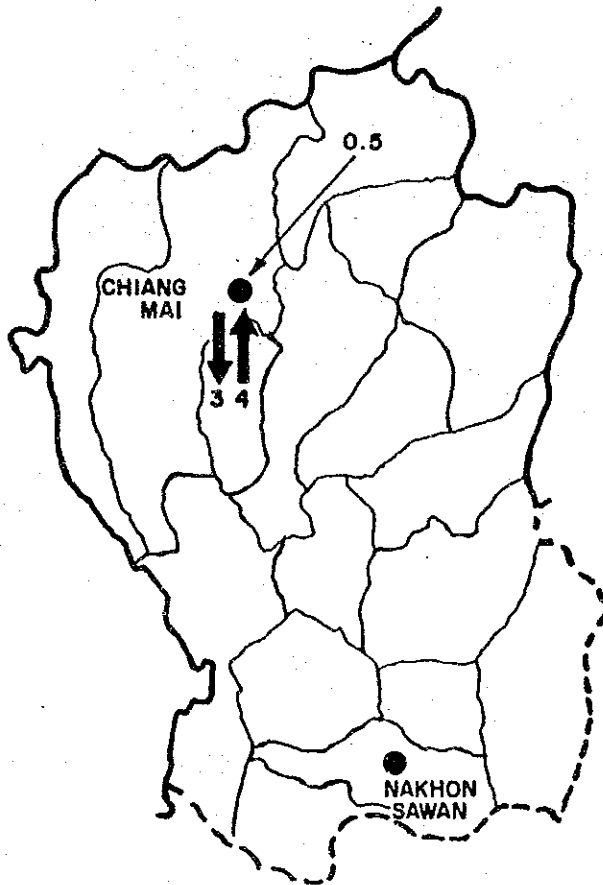
APPENDIX 5

APPENDICES FOR CHAPTER 5



TRANSPORT VOLUME OF "OTHER CONSTRUCTION MATERIALS"
IN THE NORTHERN REGION, INTO AND FROM CHIANG MAI

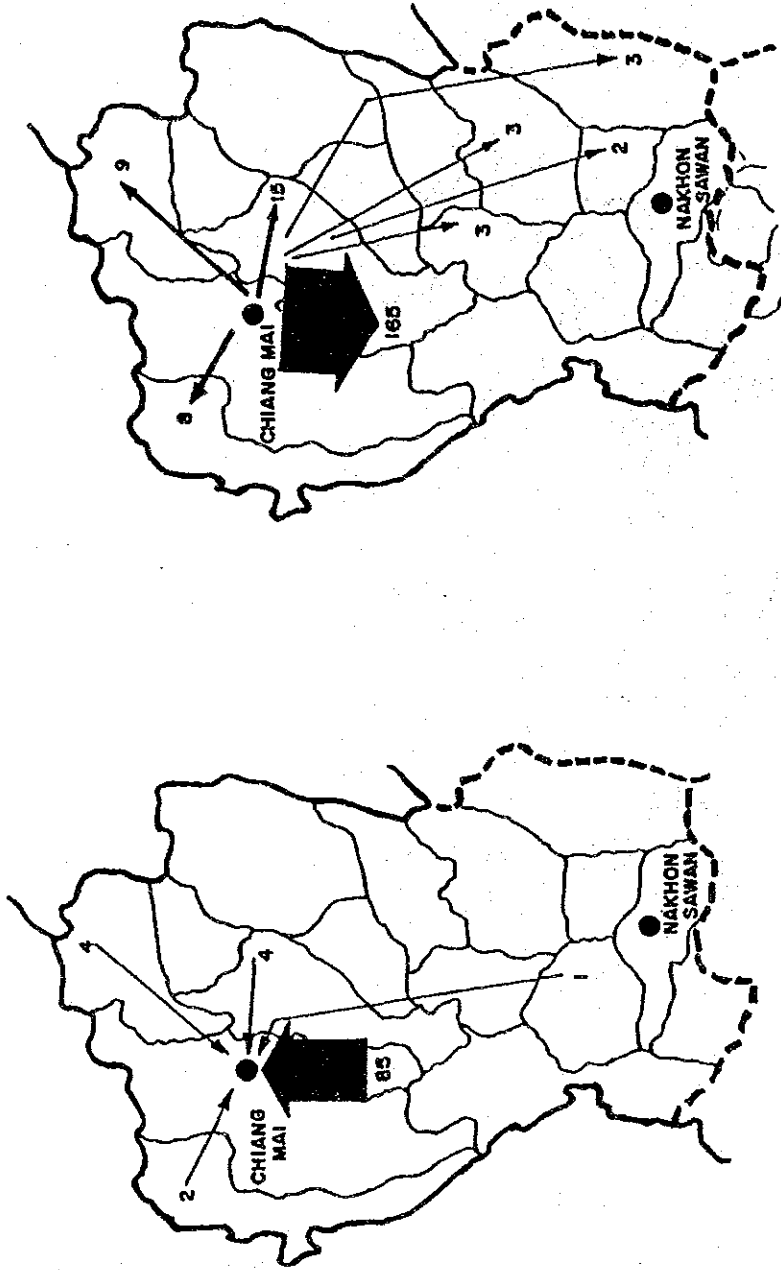
— 1987 —



UNIT : THOUSAND TONS PER YEAR

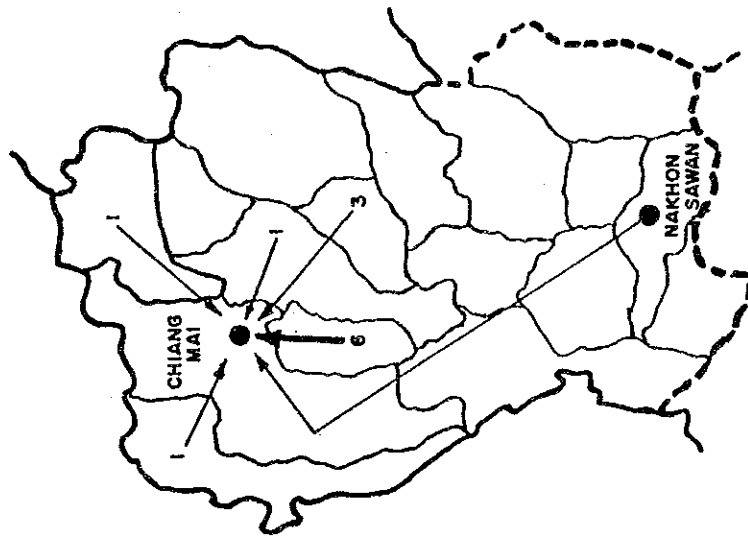
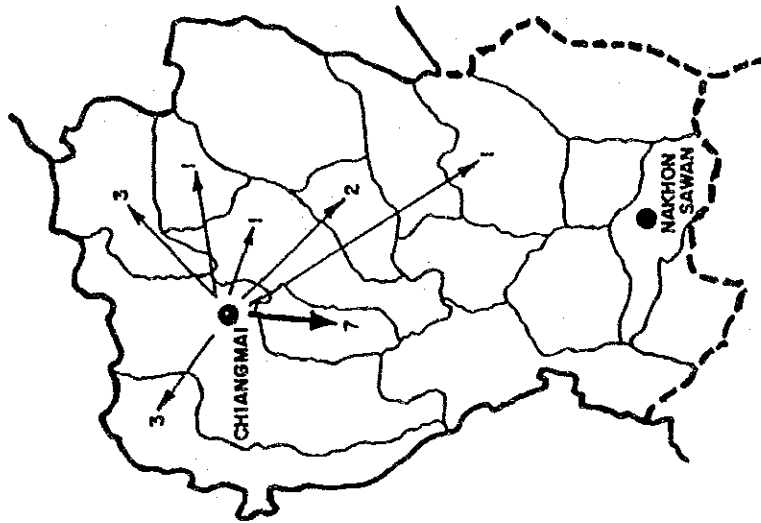
SOURCE: COMMODITY FLOW SURVEY, 1987

TRANSPORT VOLUME OF "PROCESSED FOODS" IN THE NORTHERN REGION, INTO AND FROM CHIANG MAI
— 1987 —



UNIT : THOUSAND TONS PER YEAR
SOURCE : COMMODITY SURVEY, 1987

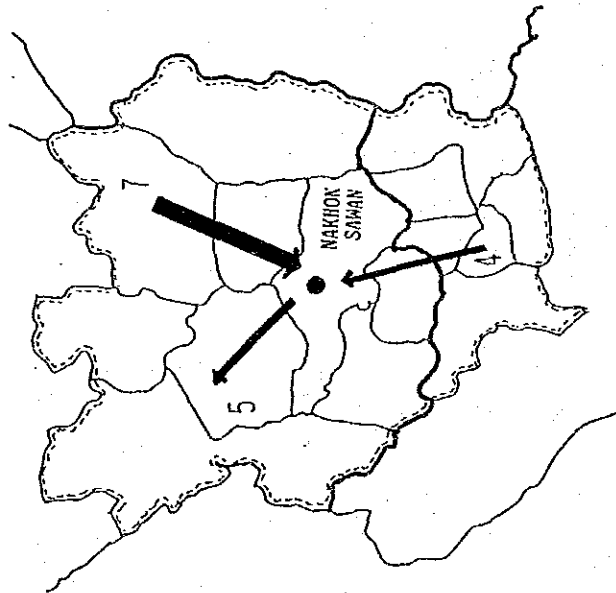
TRANSPORT VOLUME OF "HOUSEHOLD APPLIANCES" IN THE NORTHERN REGION, INTO AND FROM CHIANG MAI
— 1987 —



UNIT : THOUSAND TONS PER YEAR
SOURCE : COMMODITY FLOW SURVEY, 1987

TRANSPORT VOLUME OF "OTHER CONSTRUCTION MATERIALS"
IN THE NAKHON SAWAN INFLUENCE AREA, INTO AND FROM NAKHON SAWAN

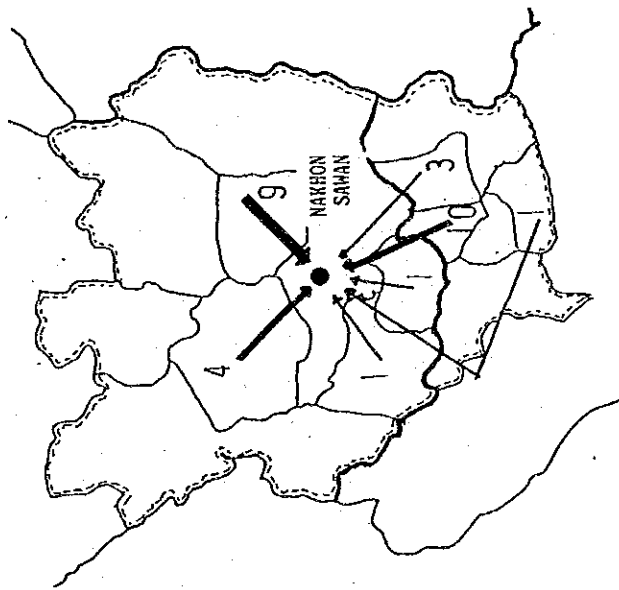
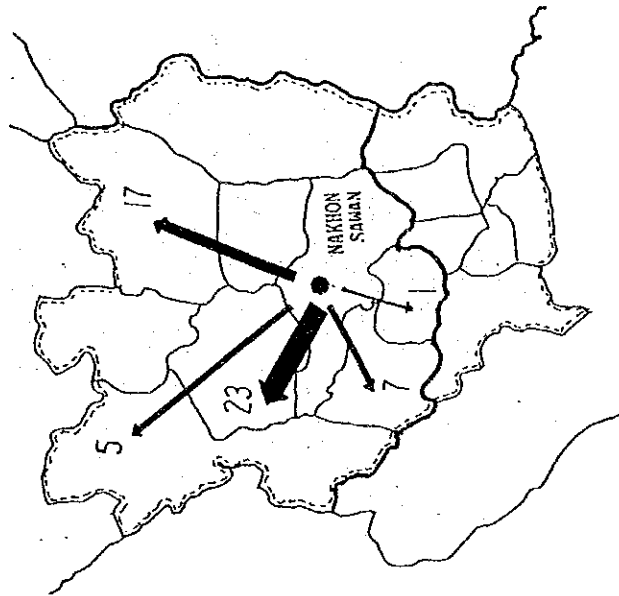
-1987-



Boundaries
—— Region
—— Province
..... Influence Area

UNIT : THOUSAND TONS PER YEAR
SOURCE : COMMODITY SURVEY, 1987

TRANSPORT VOLUME OF "PROCESSED FOODS"
 IN THE NAKHON SAWAN INFLUENCE AREA, INTO AND FROM NAKHON SAWAN
 -1987-

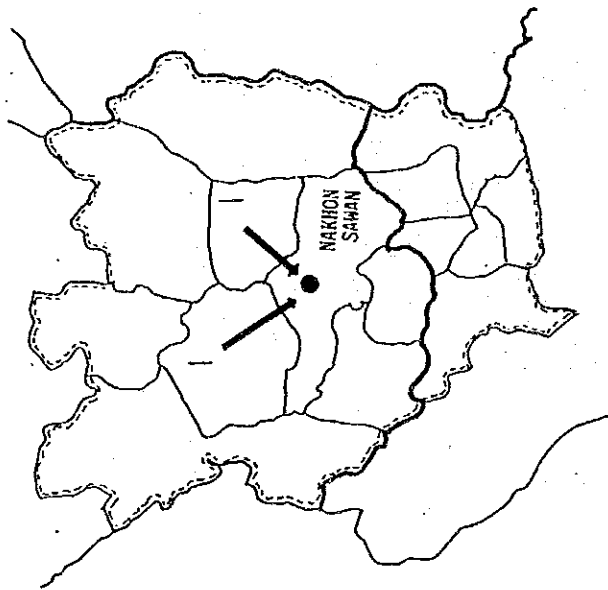
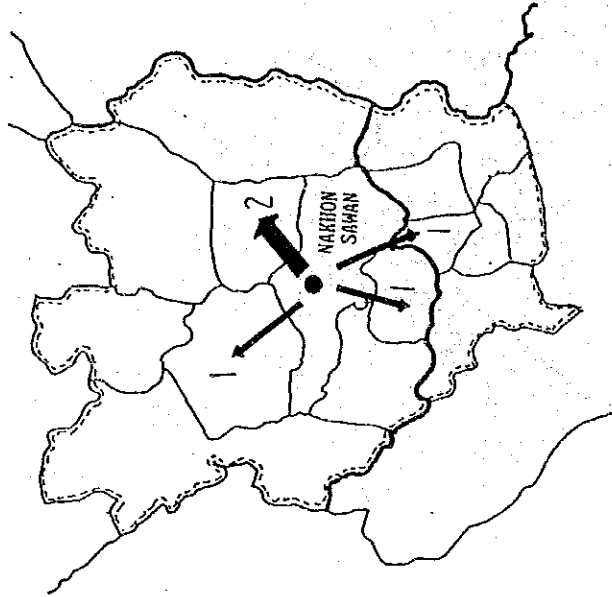


Boundaries
 ——— Region
 ——— Province
 Influence Area

UNIT : THOUSAND TONS PER YEAR
 SOURCE : COMMODITY SURVEY, 1987

TRANSPORT VOLUME OF "HOUSEHOLD APPLIANCES"
IN THE NAKHON SAWAN INFLUENCE AREA , INTO AND FROM NAKHON SAWAN

-1987-



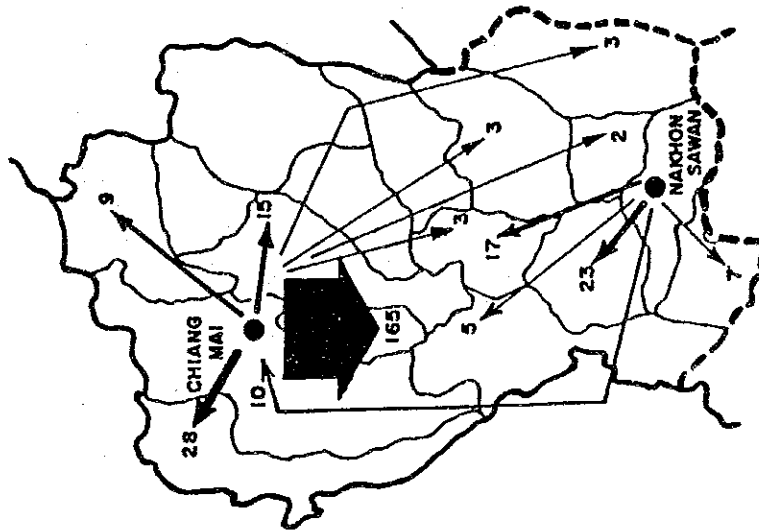
Boundaries
Region
Province
Influence Area

UNIT : THOUSAND TONS PER YEAR
SOURCE : COMMODITY SURVEY, 1987

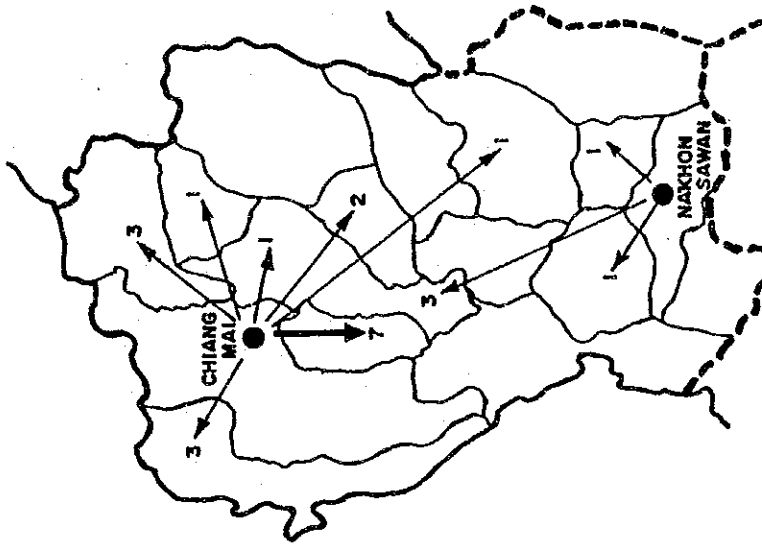
DISTRIBUTION SHARE BY CHANGWAT FOR TWO NORTHERN REGION PROJECT CITIES

— 1987 —

PROCESSED FOODS



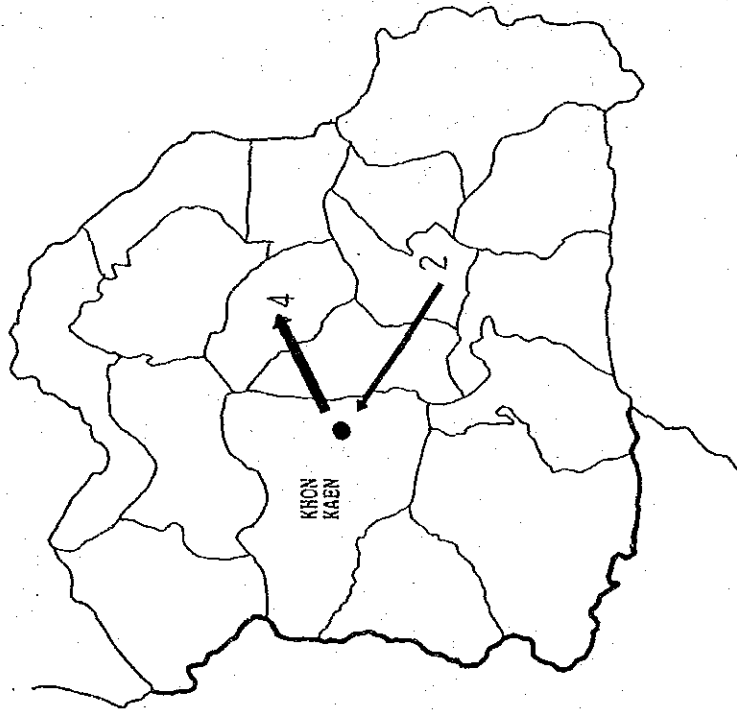
HOUSEHOLD APPLIANCES



UNIT : THOUSAND TONS PER YEAR
SOURCE : COMMODITY FLOW SURVEY, 1987

TRANSPORT VOLUME OF "OTHER CONSTRUCTION MATERIALS"
IN THE NORTHERN REGION, INTO AND FROM KHON KAEN

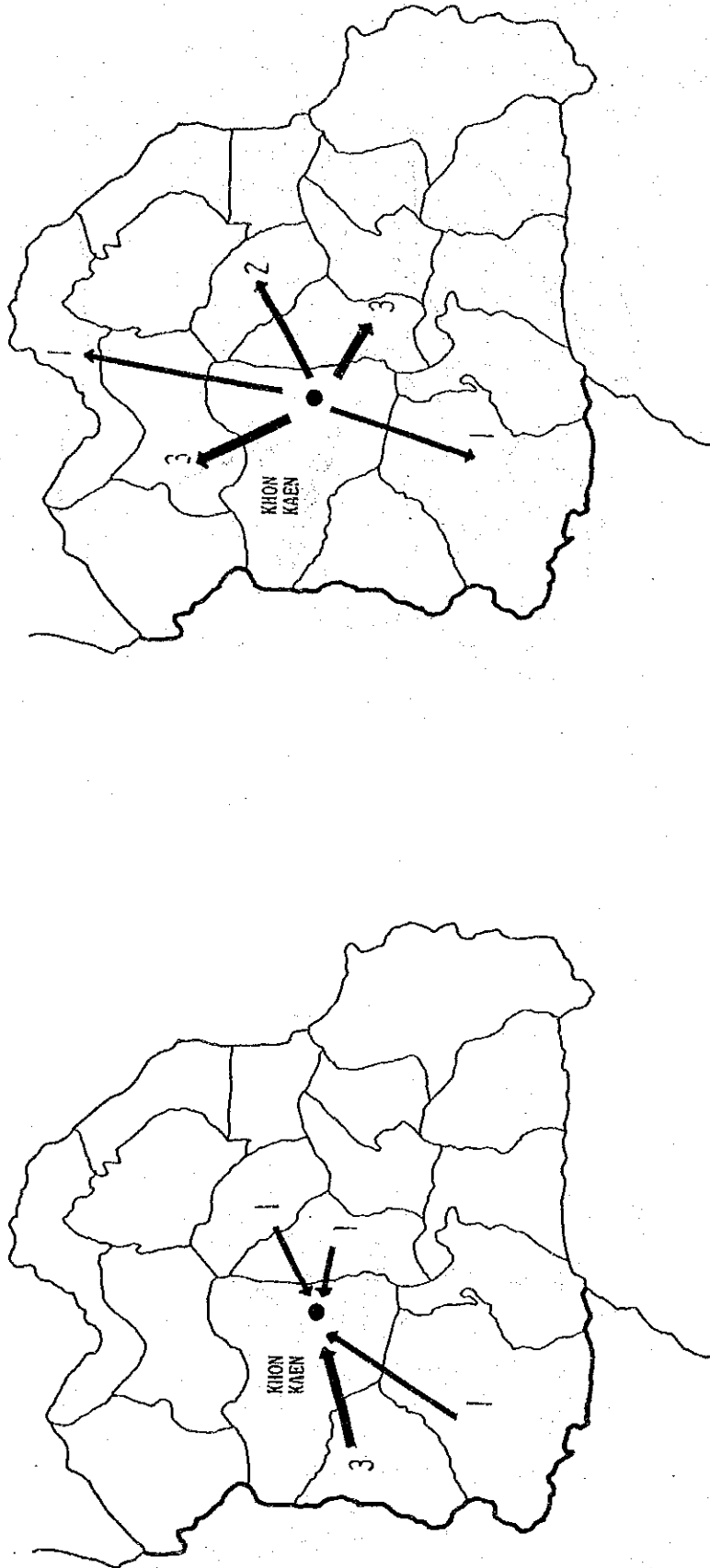
-1987-



Boundaries
Region
Province

UNIT : THOUSAND TONS PER YEAR
SOURCE : COMMODITY SURVEY, 1987

TRANSPORT VOLUME OF "HOUSEHOLD APPLIANCES"
IN THE NORTHERN REGION, INTO AND FROM KHON KAEN
-1987-

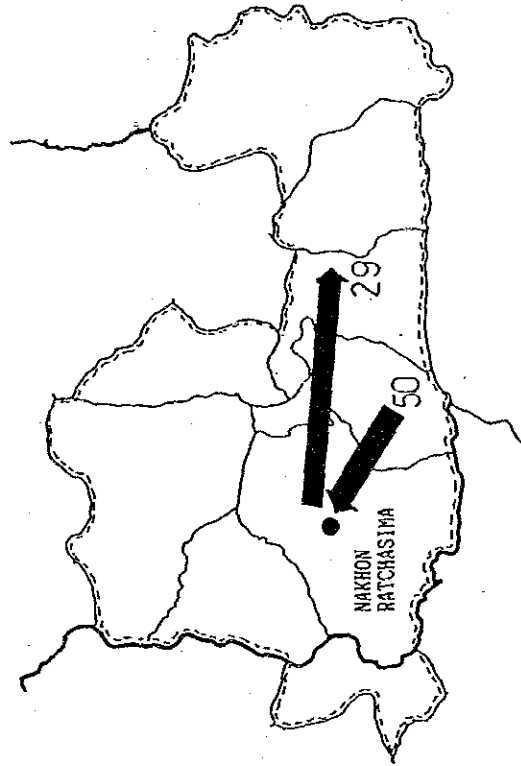


Boundaries
Region
Province

UNIT : THOUSAND TONS PER YEAR
SOURCE : COMMODITY SURVEY, 1987

TRANSPORT VOLUME OF "OTHER CONSTRUCTION MATERIALS"
IN THE NAKHON RATCHASIMA INFLUENCE AREA, INTO AND FROM NAKHON RATCHASIMA

-1987-

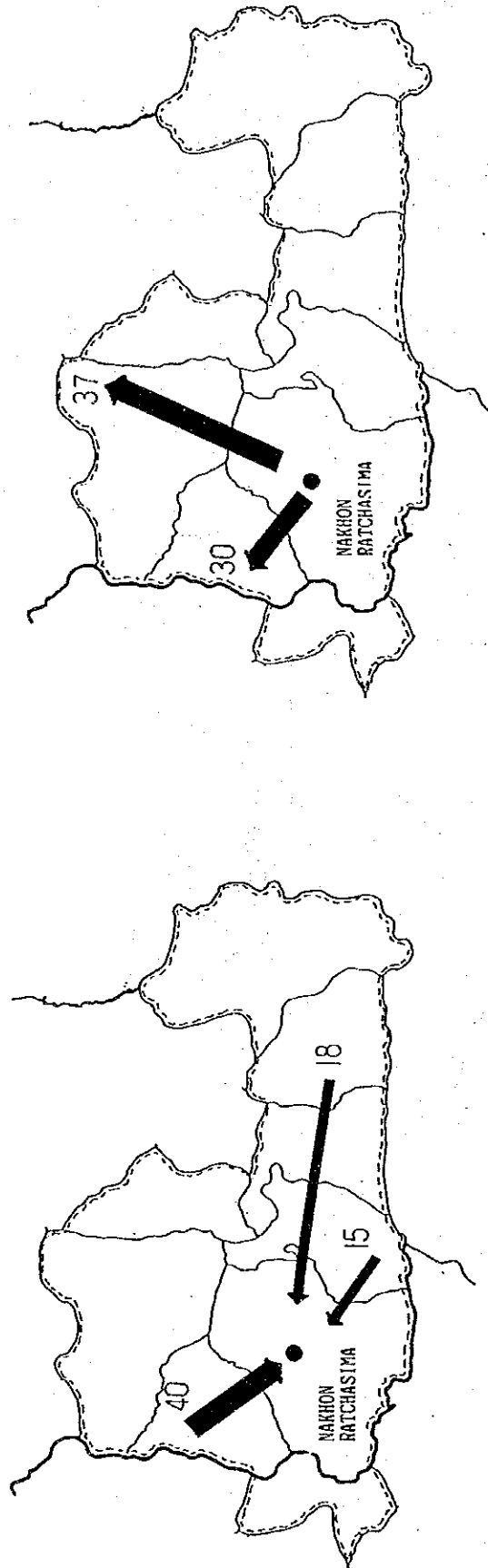


Boundaries
—— Region
—— Province
..... Influence Area

UNIT : THOUSAND TONS PER YEAR
SOURCE : COMMODITY SURVEY, 1987

TRANSPORT VOLUME OF "PROCESSED FOODS"
 IN THE NAKHON RATCHASIMA INFLUENCE AREA, INTO AND FROM NAKHON RATCHASIMA

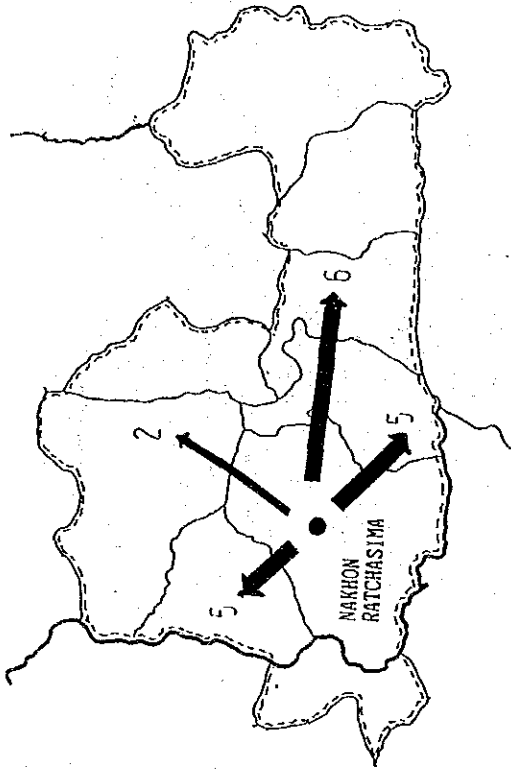
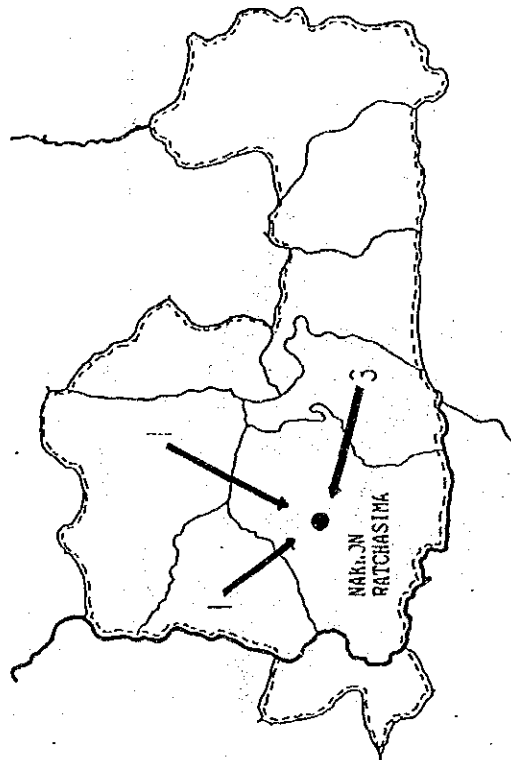
-1987-



UNIT : THOUSAND TONS PER YEAR
 SOURCE : COMMODITY SURVEY, 1987

TRANSPORT VOLUME OF "HOUSEHOLD APPLIANCES"
 IN THE NAKHON RATCHASIMA INFLUENCE AREA, INTO AND FROM NAKHON RATCHASIMA

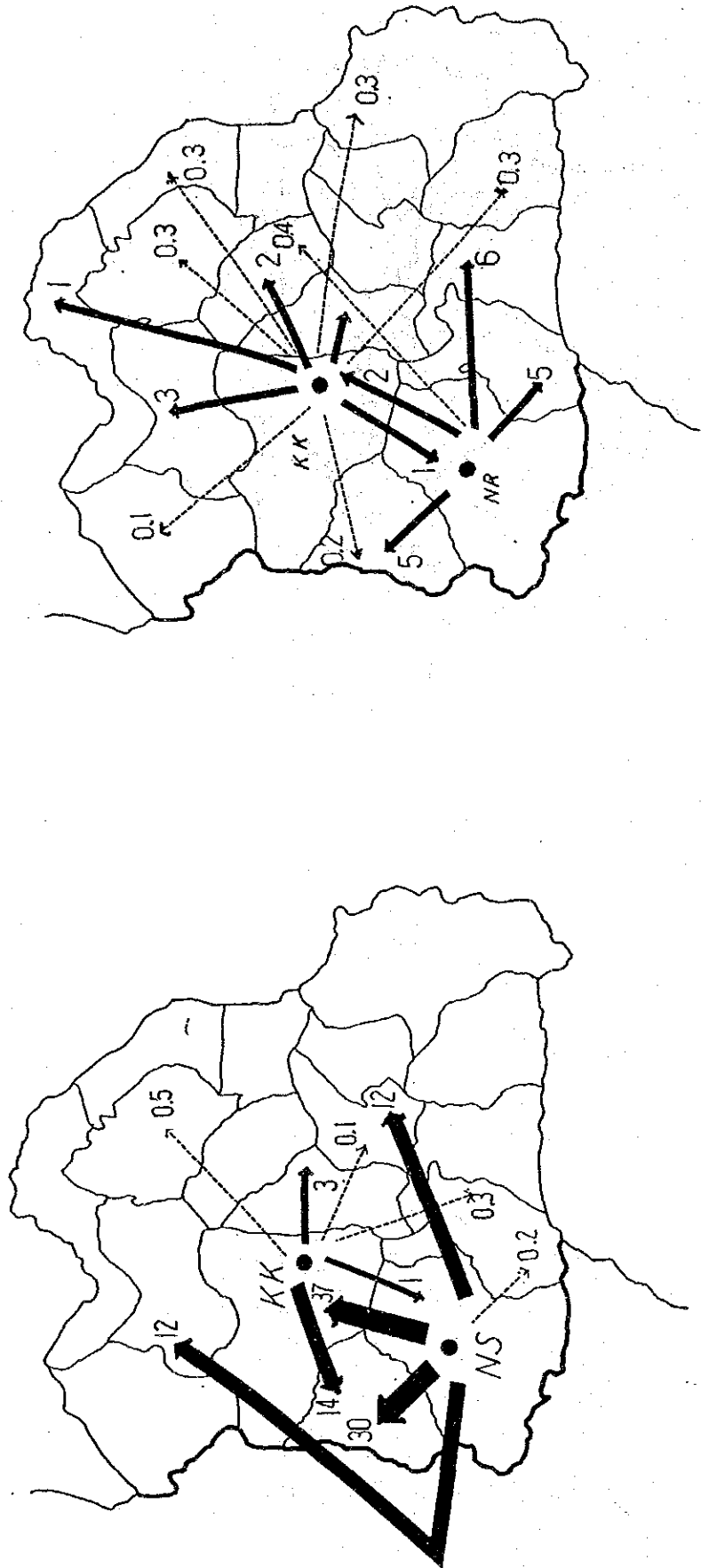
-1987-



Boundaries
 ——— Region
 ——— Province
 Influence Area

UNIT : THOUSAND TONS PER YEAR
 SOURCE : COMMODITY SURVEY, 1987

DISTRIBUTION SHARE BY CHIANGWAT
 FOR TWO NORTHEASTERN REGION PROJECT CITIES
 -1987-

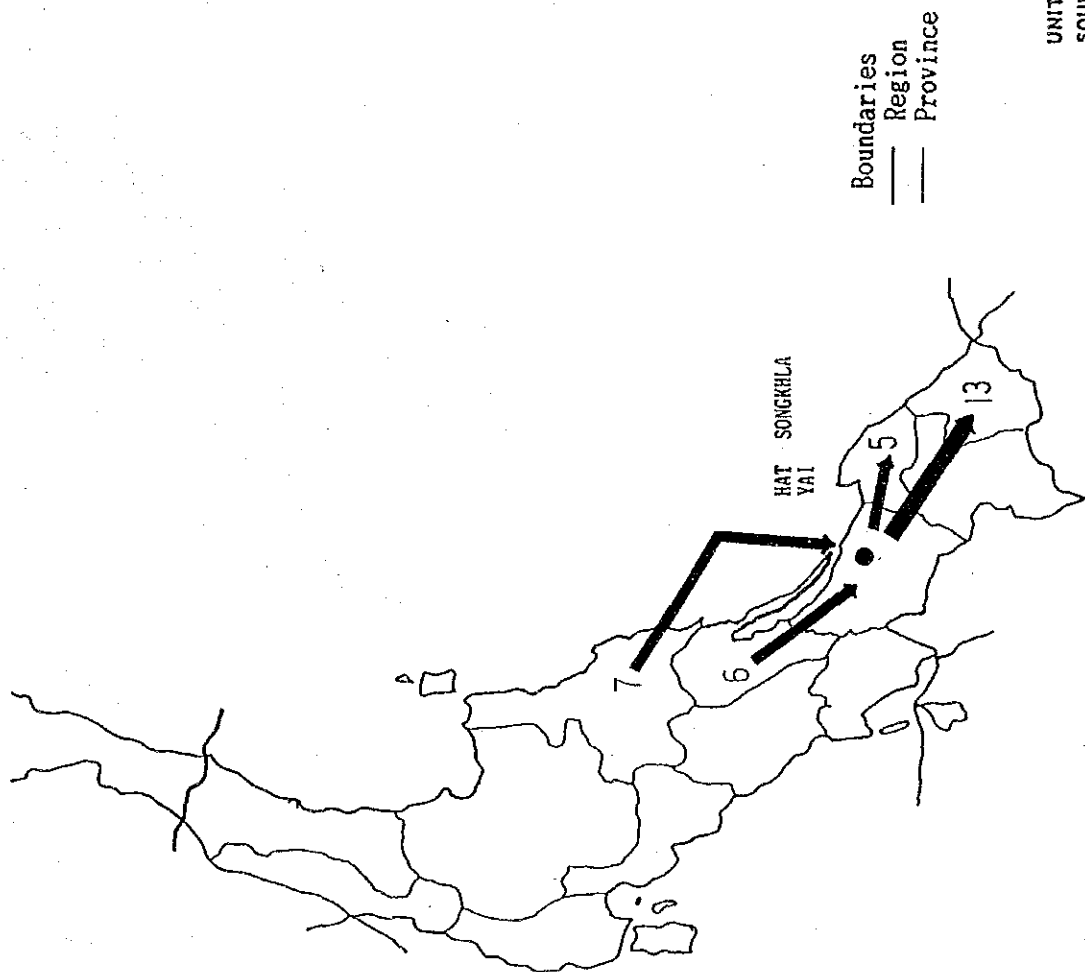


Boundaries
 Region
 Province

UNIT : THOUSAND TONS PER YEAR
 SOURCE : COMMODITY SURVEY, 1987

TRANSPORT VOLUME OF "OTHER CONSTRUCTION MATERIALS"
IN THE SOUTHERN REGION, INTO AND FROM HAT YAI / SONGKHLA

-1987-

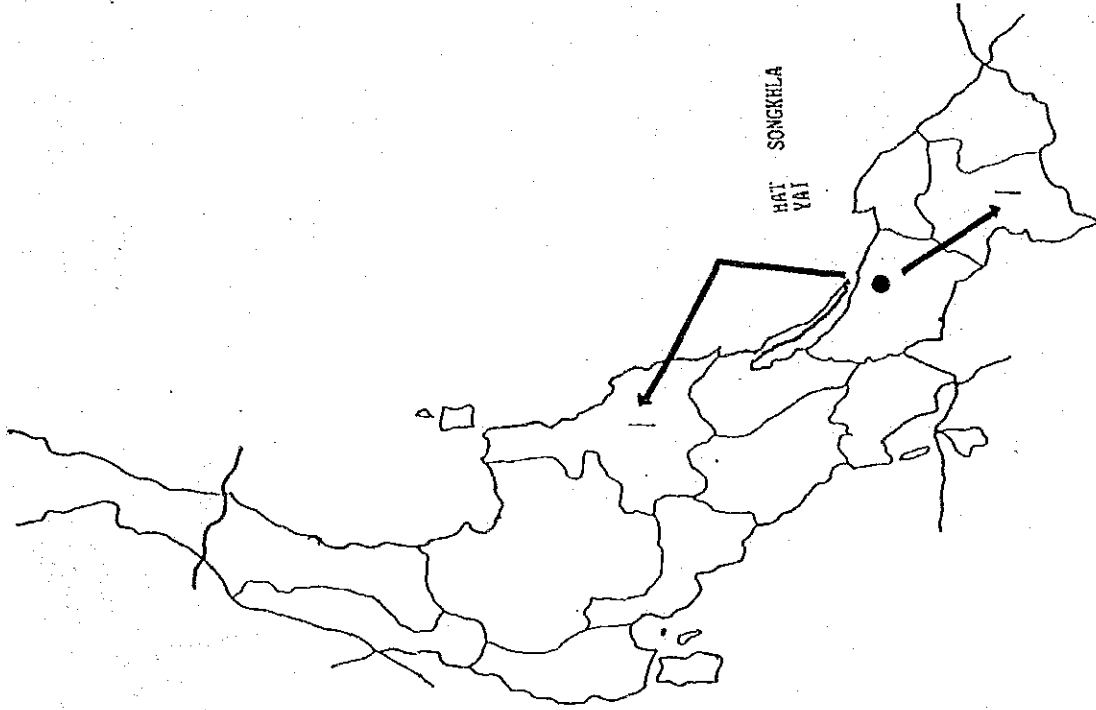
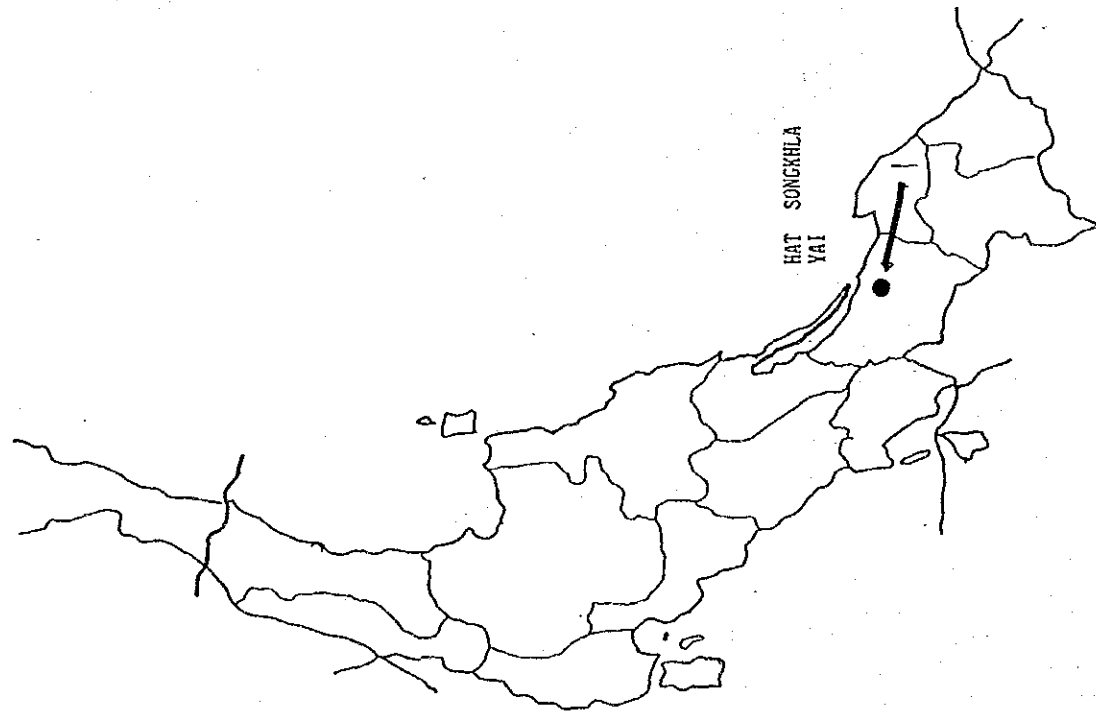


UNIT : THOUSAND TONS PER YEAR
SOURCE : COMMODITY SURVEY, 1987

TRANSPORT VOLUME OF "PROCESSED FOODS"

IN THE SOUTHERN REGION, INTO AND FROM HAT YAI / SONGKHLA

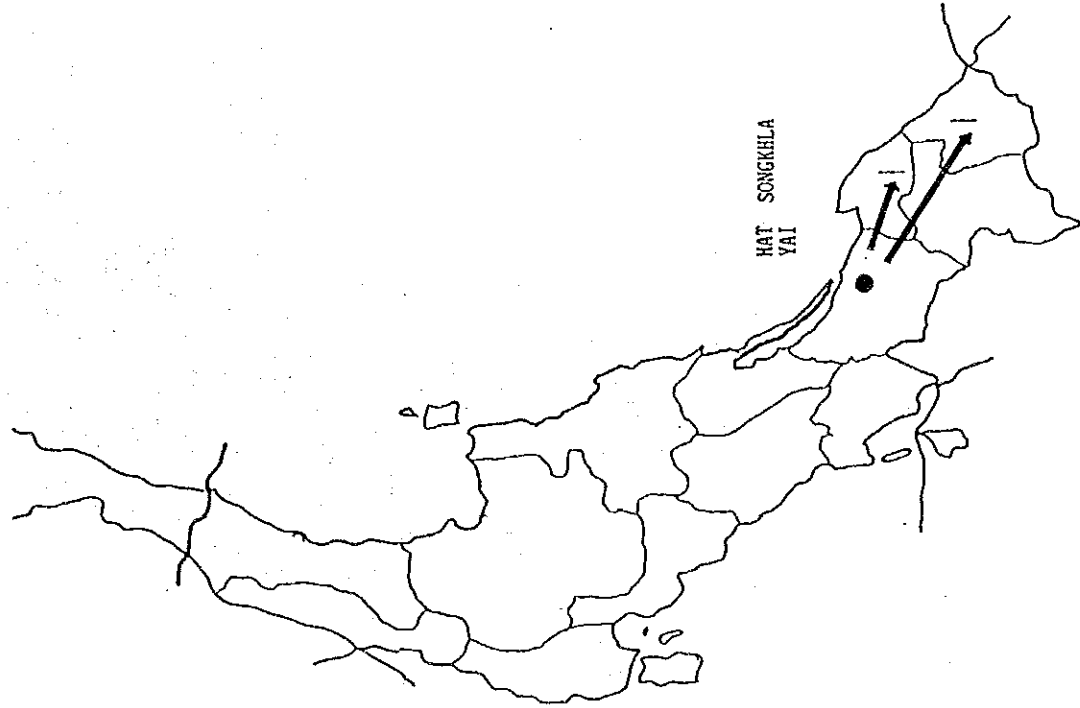
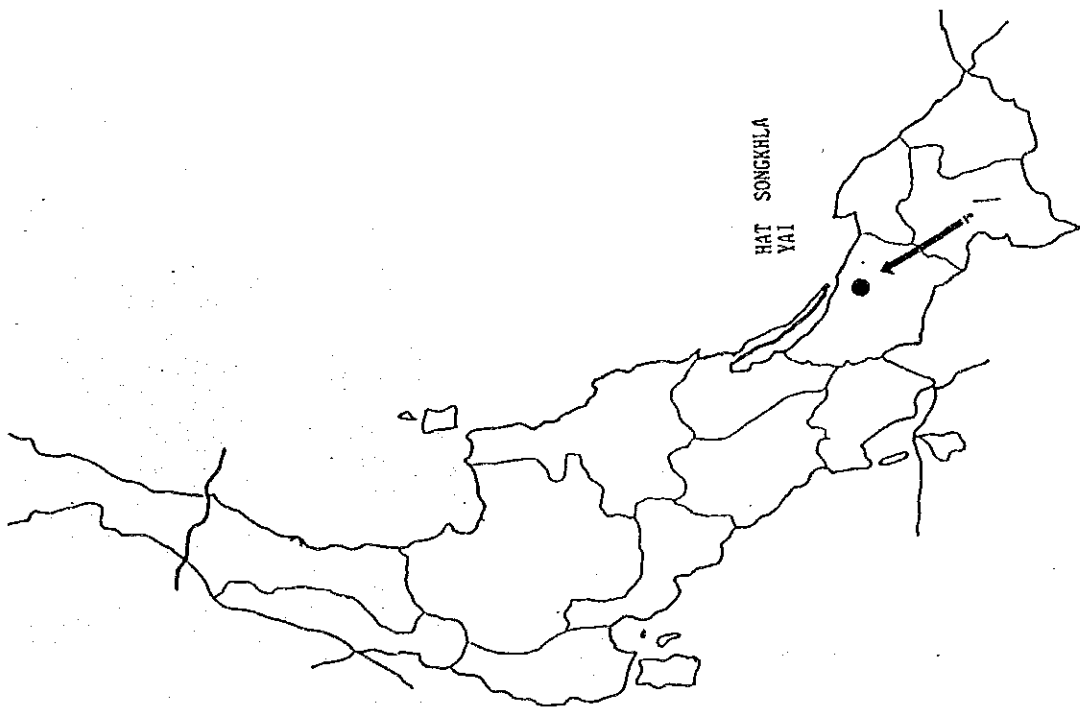
-1987-



Boundaries
Region
Province

TRANSPORT VOLUME OF "HOUSEHOLD APPLIANCES"
IN THE SOUTHERN REGION, INTO AND FROM HAT YAI / SONGKHLA

-1987-



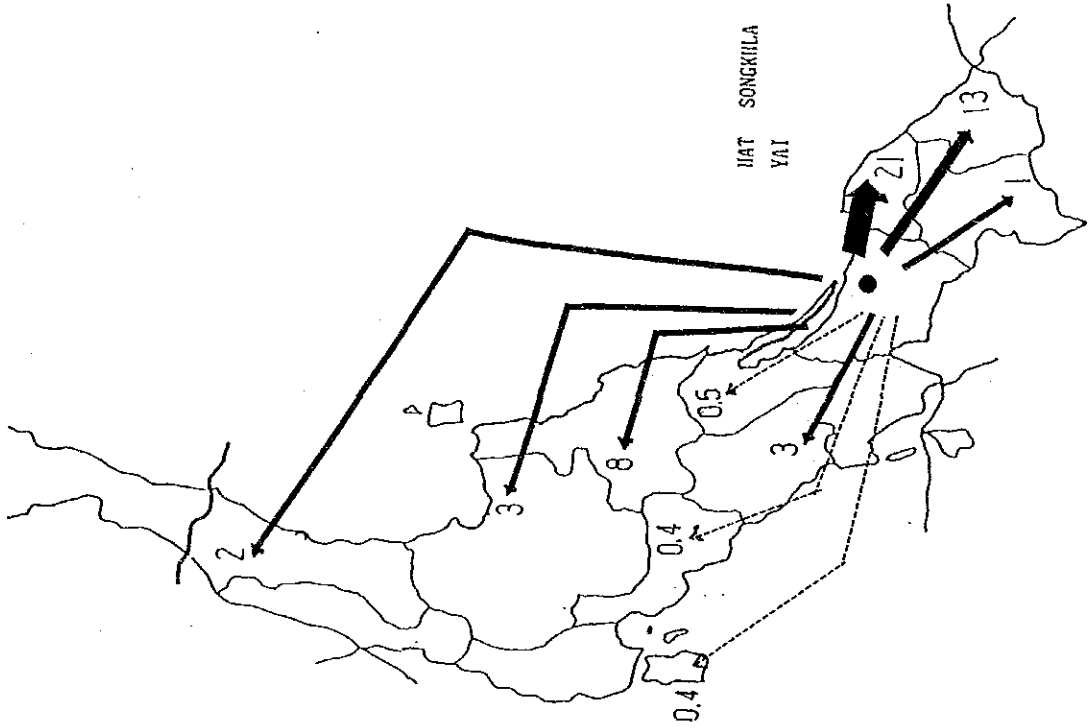
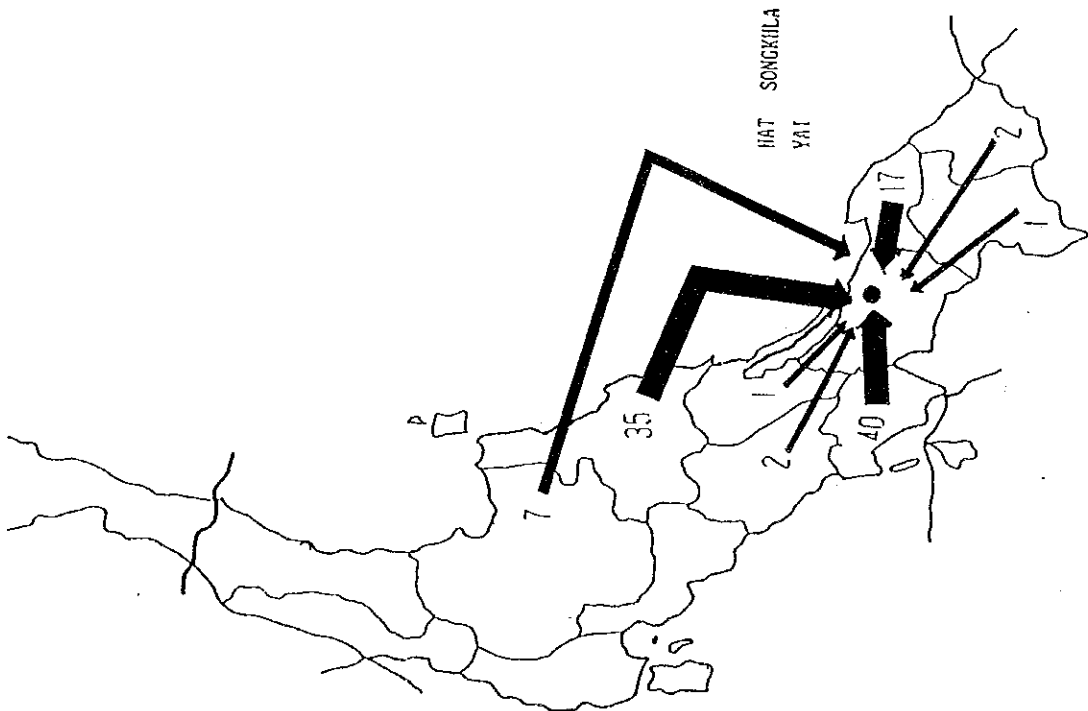
Boundaries
Region
Province

UNIT : THOUSAND TONS PER YEAR
SOURCE : COMMODITY SURVEY, 1987

TRANSPORT VOLUME OF "FISH"

IN THE SOUTHERN REGION, INTO AND FROM HAT YAI / SONGKHLA

-1987-

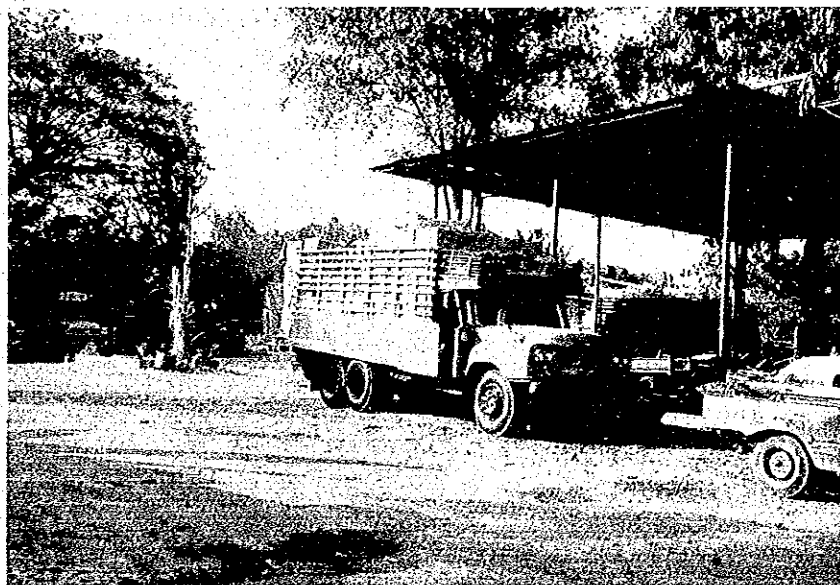


Boundaries
Region
Province

UNIT : THOUSAND TONS PER YEAR
SOURCE : COMMODITY SURVEY, 1987

APPENDIX 6

APPENDICES FOR CHAPTER 6



REGULATION OF THE TRAFFIC OFFICIAL FOR THE WHOLE KINGDOM
SUBJECT: PROHIBITING FOUR-WHEEL & SIX-WHEEL TRUCKS TO
OPERATE IN THE BANGKOK METROPOLIS

For the traffic convenience in the Bangkok Metropolis, the traffic officer for the whole Kingdom, by virtue of the authority conferred upon in section 139 of the Traffic Act B.E. 2522, hereby issues the following regulations:

1. Prohibit 4-wheel & 6-wheel trucks to operate in the Bangkok Metropolis during 07.00 to 09.00 hours and during 16.00 to 18.00 hours everyday except official holidays and school recess fixed by the Ministry of Education at the end of second or final semester from 26 March to 19 May.
2. This regulation shall come into force from now hence.

Given on 11 May B.E. 2522

Pol. Gen. Montchai Phankhongchuen
Traffic Officer for the Whole Kingdom

REGULATIONS OF THE TRAFFIC OFFICER FOR THE WHOLE KINGDOM
SUBJECT: PROHIBITING TEN-OR-MORE-WHEELED TRUCKS AND
CERTAIN TYPES OF VEHICLES TO OPERATE IN
THE BANGKOK METROPOLIS

For the convenience of traffic in the Bangkok Metropolis, the traffic officer for the whole Kingdom under the authority conferred upon in section 139 of the Land Traffic Act B.E. 2522, hereby issues the following regulations:

1. Prohibit the following vehicles to operate in the Bangkok Metropolis from 06.00 to 10.00 hours and 15.00 to 21.00 hours except on official holidays:
 - 1.1 Trucks with 3 axles and up;
 - 1.2 Trucks with 10 wheels and up;
 - 1.3 Road rollers, trailers and tractors under the motor car laws, including trucks carrying heavy objects such as trucks carrying timber logs, construction piles.
2. These regulations shall not apply to vehicles under 1.1, 1.2 & 1.3, operating on:
 - 2.1 Phahonyothin Road on the section from Bangkok city boundary to Ram Inthra road junction entire length of Ram Inthra Road, Suwinthawong Road from Ram Inthra Road junction to the Bangkok city boundary;
 - 2.2 Bangna-Trat Road on the section from Bangkok city boundary to Sukhumvit Road junction, Sukhumvit Road from Bangna-Trat Road junction to the Bangkok city boundary;
 - 2.3 Thonburi-Paktho Road on the section from Bangkok city boundary to Suksawat Road junction, Suksawat Road from Thonburi-Paktho Road junction to the Bangkok city boundary.
 - 2.4 Phetkasem Road outbound traffic, from Charansanitwong Road junction to Bangkok city boundary.
3. Prohibit vehicles under 1.1, 1.2 & 1.3 to operate on Phetkasem Road for inbound traffic from Bangkok city boundary to Charansanitwong Road junction, Charansanitwong Road from Phetkasem Road junction

to Rama VI bridge, Phibunsongkhram Road from Rama VI bridge junction to Bangkok city boundary from 07.00 to 09.00 hours and 10.00 to 18.00 hours except on official holidays.

4. Prohibit parking by vehicles under 1.1, 1.2 & 1.3 on Charansanitwong Road on the section from Phetkasem Road junction to Rama VI bridge from 09.00 to 10.00 hours and from 18.00 to 21.00 hours

These regulations shall come into force from now hence.

Given on 11 May B.E. 2522

Pol. Gen. Montchai Phankhongchuen
Traffic Officer for the Whole Kingdom

(Published in the Government Gazette No. 96, Vol. 81 (special issue),
dated 15 May B.E. 2522)

Estimated Cargo Throughput at Chiang Mai Truck Terminal in 1996
(tons/year)

Commodity Group	Commodity Breakdown	Rate (%)		Utiliz. (%)		Cargo Volume in 1996					Cargo Volume by Truck Terminal							
		In	Out	BKK	Oth.	Inflow		Outflow		Total	Inflow			Outflow			Total	
						BKK	Others	BKK	Others		BKK	Others	Total	BKK	Others	Total		
Other Construc.	Asphalt	13.1	41.8	0.0	0.0	4771	2248	2458	5001	14477	0	0	0	0	0	0	0	0
	Construction brick	27.3	12.6	10.0	10.0	9923	4678	737	1500	16817	992	176	1168	74	42	116	1204	
	Palm roofing	0.0	0.0	10.0	10.0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other const. mater	59.6	45.6	10.0	10.0	21659	10207	2679	5451	39996	2166	384	2550	268	153	421	2972	
	Subtotal					36353	17132	5874	11952	71310	3159	561	3719	342	196	537	4256	
Vegetable & Fruit	Longan	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rubutan	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bananas	1.1	0.4	30.0	30.0	118	563	82	245	1008	35	61	96	25	55	80	176	
	Water melon	15.6	0.7	30.0	30.0	1689	8040	137	408	10274	507	265	1373	41	92	133	1506	
	Pineapple	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Oranges	3.1	13.2	30.0	30.0	338	1608	2705	8067	12717	101	173	275	811	1812	2624	2678	
	Coconut	0.0	0.6	30.0	30.0	0	0	150	308	518	0	0	0	39	81	128	176	
	Lime, Lemon	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sugarcane	0.0	0.3	0.0	0.0	0	0	62	184	245	0	0	0	0	0	0	0	0
	Fresh vegetables	65.7	83.6	30.0	30.0	7102	33849	17024	50891	108913	2133	3647	5780	5119	11433	16553	22332	
	Papaya	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sweet potato	0.2	0.7	30.0	30.0	17	80	137	408	643	5	9	14	41	92	133	147	
	Other fruits	14.4	0.5	30.0	30.0	1554	7397	103	306	9360	466	797	1263	31	69	100	1363	
	Subtotal					10824	51538	20420	66897	143679	3247	5553	8800	6107	13640	19747	26540	
	Beverages	Drinks	64.8	41.6	30.0	30.0	19714	25815	2905	10830	59294	5914	4049	9763	871	807	1673	11636
Ice & icecream		5.5	5.7	0.0	0.0	1666	2184	397	1489	5738	0	0	0	0	0	0	0	
Pure water		0.9	0.0	30.0	30.0	778	364	0	0	642	81	57	140	0	0	0	140	
Alcohol & beer		6.5	26.3	30.0	30.0	1978	2594	1840	6860	13272	594	406	1000	552	508	1060	2060	
Milk		22.3	25.6	30.0	30.0	6768	8973	1785	6656	24082	2030	1390	3470	536	493	1028	4449	
Tea, Coffee		0.0	0.0	60.0	60.0	0	0	55	204	259	0	0	0	33	30	63	63	
Fruit flavo		0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal						30404	37859	6984	26038	103286	8622	5902	14524	1992	1833	3825	18348	
Processed Foods		Salt, Fish souce	21.8	8.3	60.0	60.0	1379	29688	4076	25722	61066	878	2738	3565	2446	3999	6445	10010
	Onion, Garlic	37.0	66.7	60.0	60.0	2338	50321	32828	208167	294254	1403	4640	6041	19697	32207	51904	57947	
	Dry fish	4.1	0.0	60.0	60.0	262	5641	0	0	5903	157	520	677	0	0	0	677	
	Canned food	0.0	11.3	60.0	60.0	0	0	5580	35487	41069	0	0	0	3348	5475	8623	8623	
	Eggs	5.5	0.1	60.0	60.0	345	7422	49	309	8124	207	684	891	29	48	77	968	
	Meat	0.0	1.7	10.0	10.0	0	0	607	3857	4464	0	0	0	61	99	160	160	
	Other grocery	31.6	12.3	60.0	60.0	2000	43047	6041	38424	87509	1200	3970	5170	3625	5927	9552	14722	
	Subtotal					6324	136119	49181	312765	504389	3794	12552	16347	29205	47756	76961	93307	
	Animals	Chicken	69.7	58.4	0.0	0.0	570	19468	1273	13158	34462	0	0	0	0	0	0	0
Duck, Goose		0.0	26.5	0.0	0.0	0	0	579	5981	6560	0	0	0	0	0	0	0	
Cow		22.4	8.8	0.0	0.0	183	6242	193	1994	8611	0	0	0	0	0	0	0	
Buffalo		0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
Pig		7.9	6.2	0.0	0.0	65	2203	135	1396	3798	0	0	0	0	0	0	0	
Other animals		0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal						818	27905	2180	22528	53431	0	0	0	0	0	0	0	
Fish	Fresh fish	51.2	100.0	0.0	0.0	4304	7670	0	7304	14277	0	0	0	0	0	0	0	
	Prawn	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Shells	2.3	0.0	0.0	0.0	196	121	0	0	317	0	0	0	0	0	0	0	
	Crab	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Other aquatic ani.	46.5	0.0	0.0	0.0	3912	2427	0	0	6339	0	0	0	0	0	0	0	
Subtotal					8412	5218	0	7304	20933	0	0	0	0	0	0	0		
Fertiliz. & Feed	Fertilizers	51.8	83.2	0.0	0.0	17520	24129	2568	14279	58897	0	0	0	0	0	0	0	
	Animal feed	48.2	16.8	0.0	0.0	16335	22497	598	2818	42307	0	0	0	0	0	0	0	
	Subtotal					33855	46626	3566	17157	101204	0	0	0	0	0	0	0	
Household Appl.	Clothes	16.8	11.0	60.0	60.0	4191	5701	1288	4517	15718	2515	1867	4382	373	1648	2420	6807	
	Cosmetic	2.9	0.0	60.0	60.0	735	1000	0	0	1736	441	328	769	0	0	0	769	
	Medicine & suppl.	2.0	0.0	60.0	60.0	490	667	0	0	1157	294	218	512	0	0	0	512	
	Furnitures	37.7	32.3	60.0	60.0	9437	12836	3719	13315	39367	5642	4203	9865	2267	4835	7102	16967	
	Electrical appl.	19.1	6.9	60.0	60.0	4780	6501	813	2864	14958	2868	2127	4997	488	1040	1527	6524	
	Stationeries	13.0	32.4	60.0	60.0	3260	4434	3787	13352	24836	1956	1452	3408	2274	4848	7122	10530	
	Other households	8.4	17.4	60.0	60.0	2108	2867	2037	7178	14191	1265	939	2204	1222	2606	3829	6032	
	Subtotal					25001	34088	11705	41246	111961	15001	11136	26137	7023	14976	22000	48137	
Other Manufact.	Containers	92.9	95.1	60.0	60.0	268347	38727	15465	35740	350780	161308	13314	174622	9279	7858	17138	191760	
	Entertains	0.8	4.9	60.0	60.0	2193	318	800	1849	5159	1316	109	1425	480	406	886	2311	
	House equip. move	0.0	0.0	60.0	60.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Mix. ready made pro	6.3	0.0	60.0	60.0	18276	2646	0	0	20923	10966	905	11871	0	0	0	11871	
Subtotal					281317	41891	16265	37589	385062	173590	14328	187918	9759	8265	18024	205942		
All Others	Vegetable oil	6.5	0.0	60.0	60.0	2088	6371	0	0	8459	1253	1562	2815	0	0	0	2815	
	Rubber	6.2	1.9	30.0	30.0	2009	6132	606	1503	10256	603	752	1355	182	86	269	1622	
	Cigarettes	0.1	0.0	0.0	0.0	26	80	0	0	106	0	0	0	0	0	0	0	
	Beti, Tobacco leaf	16.9	65.4	0.0	0.0	5454	16445	20776	52234	93329	0	0	0	0	0	0	0	
	Fibers	0.9	3.4	60.0	60.0	287	816	1682	2692	4938	172	215	387	649	307	956	1343	
	Engines, Machines	19.8	18.2	30.0	30.0	6393	19512	5844	14539	46289	1918	2392	4310	1753	828	2581	6897	
	Plants, Flowers	8.2	0.2	60.0	60.0	2662	8123	65	162	11012	1597	1992	3589	39	18	57	3646	
	Animal skin, Horn	0.0	0.0	60.0	60.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Chemicals	4.0	5.1	60.0	60.0	1305	3982	1623	4039	10949	783	976	1759	974	460	1434	3193	
	Non-stipulated pro	37.5	5.9	60.0	60.0	12134	37033	1883	4685	55236	7291	9080	16361	1130	534	1664	18025	
	Subtotal					32358	98756	32100	78758	243072	13606	16919	30576	4727	2233	6960	37536	

Estimated Cargo Throughput at Nakhon Ratchasima Truck Terminal in 1996 (tons/year)

Commodity Group	Commodity Breakdown	Rate(%)		Utiliz.(%)		Cargo Volume (in 1996)					Cargo Volume by Truck Terminal							
		In	out	BKK	Oth.	Inflow		Outflow		Total	Inflow			Outflow		Total		
						BKK	Others	BKK	Others		BKK	Others	Total	BKK	Others		Total	
Other Construc.	Asphalt	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Construction brick	54.5	37.0	10.0	10.0	6355	236811	2578	71012	316757	636	0	636	258	7101	7359	7995	
	Pala roofing	0.0	0.0	10.0	10.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Other const. water	45.5	63.0	10.0	10.0	5796	197342	4363	120721	327742	530	0	530	438	12072	12510	13040	
	Subtotal					11652	431153	6961	191733	644199	1165	0	1165	696	19173	19869	21035	
Vegetable & Fruit	Longan	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rambutan	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	
	BANANAS	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Water melon	4.6	0.3	30.0	30.0	1540	14247	125	362	16274	462	2586	3048	37	107	144	3192	
	Pineapple	0.3	0.0	30.0	30.0	110	1018	0	0	1128	33	185	218	0	0	0	218	
	Oranges	15.6	0.0	30.0	30.0	5274	48339	0	0	53663	1567	8715	10342	0	0	0	10342	
	Coconut	14.2	1.3	30.0	30.0	4765	14099	500	1449	50813	1430	8005	9435	150	427	576	10011	
	Lime, Lemon	8.2	0.0	30.0	30.0	2749	25442	0	0	28191	825	4618	5443	0	0	0	5443	
	Sugarcane	4.9	0.0	0.0	0.0	1650	15265	0	0	16914	0	0	0	0	0	0	0	
	Fresh vegetables	24.9	43.1	30.0	30.0	8339	77173	16043	46513	148068	2502	14009	16511	4813	13692	18505	35016	
	Papaya	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Sweet potato	14.2	19.2	30.0	30.0	4765	14099	18342	53178	120385	1430	8005	9435	5503	15654	21157	30592	
	Other fruits	12.9	6.0	30.0	30.0	4326	40028	2249	6521	53123	1298	7266	8564	675	1919	2594	11158	
	Subtotal					33468	307708	37259	100025	498459	9545	53449	62995	11178	31799	42977	165972	
	Beverages	Drinks	60.9	83.5	30.0	30.0	47490	88207	5739	31703	171139	14217	26442	40709	1122	5651	6773	47482
Ice & icecream		3.0	9.5	0.0	0.0	2322	4312	425	3600	10659	0	0	0	0	0	0	0	
Pure water		1.2	7.0	30.0	30.0	905	1680	313	2650	5547	271	504	775	94	472	566	1342	
Alcohol & beer		27.4	0.0	30.0	30.0	21408	39743	0	0	61171	6422	11929	18351	0	0	0	18351	
Milk		6.4	0.0	30.0	30.0	4975	9241	0	0	14216	1493	2772	4265	0	0	0	4265	
Tea, Coffee		1.2	0.0	60.0	60.0	905	1680	0	0	2585	543	1008	1551	0	0	0	1551	
Fruit flavor		0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal						78005	144883	4476	37954	265317	22976	42675	65652	1215	6124	7339	72991	
Processed Foods		Salt, Fish seose	63.8	7.3	60.0	60.0	11609	20978	35065	27418	283070	6965	89791	96757	21039	13536	34575	131331
		Onion, Garlic	7.1	12.7	60.0	60.0	1284	23121	60866	47608	137900	771	9734	10705	36532	23504	60035	70740
	Dry fish	5.4	0.0	60.0	60.0	988	17285	0	0	18773	593	7642	8235	0	0	0	8235	
	Canned food	14.2	0.0	60.0	60.0	2594	46587	0	0	49780	1556	20060	21616	0	0	0	21616	
	Eggs	0.0	0.0	60.0	60.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Meat	0.0	0.0	10.0	10.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Other grocery	9.5	80.0	60.0	60.0	1729	31124	382699	299242	714794	1037	13373	14411	229619	147731	377350	391761	
	Subtotal					18204	527696	478650	374269	1198818	10922	140600	151723	281190	184771	471960	623683	
	Animals	Chicken	82.4	26.1	0.0	0.0	1926	68848	3772	17175	95722	0	0	0	0	0	0	0
Duck, Goose		0.0	15.1	0.0	0.0	0	0	4513	9973	14486	0	0	0	0	0	0	0	
Cow		0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
Buffalo		17.6	58.8	0.0	0.0	413	14753	13550	39783	71499	0	0	0	0	0	0	0	
Pig		0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
Other animals		0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal						2339	83601	29835	65931	181706	0	0	0	0	0	0	0	
Fish	Fresh fish	100.0	100.0	0.0	0.0	13667	9522	460	12978	36627	0	0	0	0	0	0	0	
	Prawn	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Shells	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Crab	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Other aquatic ani.	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Subtotal					13667	9522	460	12978	36627	0	0	0	0	0	0	0	
Fertiliz. & Feed	Fertilizers	2.0	10.7	0.0	0.0	3850	5216	4029	57377	79472	0	0	0	0	0	0	0	
	Animal feed	98.0	89.3	0.0	0.0	184542	250023	33590	478359	946514	0	0	0	0	0	0	0	
	Subtotal					188392	255239	37618	535736	1016986	0	0	0	0	0	0	0	
Household Appl.	Clothes	3.5	0.8	60.0	60.0	1390	607	145	405	2541	834	305	1138	87	188	275	1414	
	Cosmetic	1.8	0.0	60.0	60.0	713	311	0	0	1024	428	156	584	0	0	0	584	
	Medicine & suppl.	0.0	0.0	60.0	60.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Furniture	71.4	50.2	60.0	60.0	28709	12450	8555	23979	73493	17105	6248	23354	5133	11143	16276	39630	
	Electrical appl.	1.3	2.1	60.0	60.0	535	233	351	985	2104	321	117	438	211	458	668	1106	
	Stallioories	5.4	0.0	60.0	60.0	2138	934	0	0	3072	1283	469	1752	0	0	0	1752	
	Other households	16.6	46.8	60.0	60.0	6678	2895	7976	22357	39857	3977	1453	5430	4786	10390	15176	20805	
	Subtotal					37912	17430	17027	47727	122096	23547	8748	32695	10216	22139	32396	65091	
Other Manufact.	Containers	90.5	100.0	60.0	60.0	357085	985917	61628	206165	1610796	214251	449220	663471	36977	123699	160676	824147	
	Entertain	0.0	0.0	60.0	60.0	0	0	0	0	0	0	0	0	0	0	0	0	
	House equip. move	0.0	0.0	60.0	60.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Mix. ready use pro	9.5	0.0	60.0	60.0	37342	101102	0	0	140445	22405	46977	69383	0	0	0	69383	
Subtotal					394427	1087020	61628	206165	1751240	236656	496197	732853	36977	123699	160676	893529		
All Others	Vegetable oil	1.3	16.4	60.0	60.0	498	3075	10555	80019	94157	299	1512	1810	6339	39978	46317	48128	
	Rubber	14.1	5.0	30.0	30.0	5477	33820	3170	24006	66473	1643	8314	9757	951	5977	6948	16705	
	Cigarettes	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Betele, tobacco leaf	10.9	2.1	0.0	0.0	4232	26134	1321	10007	41689	0	0	0	0	0	0	0	
	Fibers	1.3	12.2	60.0	60.0	498	3075	7740	59601	70091	297	1512	1810	4649	29117	33766	35776	
	Engines, Machines	65.6	55.9	30.0	30.0	25393	156803	35657	270065	487918	7618	38546	46164	10697	67464	78163	121325	
	Plants, Flowers	0.0	0.0	60.0	60.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Animal skin, Horn	0.0	0.0	60.0	60.0	0	0	0	0	0	0	0	0	0	0	0	0	
	Chemicals	0.8	0.0	60.0	60.0	299	1845	0	0	2143	179	907	1086	0	0	0	1086	
	Non-stipulated pro	6.0	8.3	60.0	60.0	2340	14451	5283	40010	62083	1404	7105	8509	3170	19989	23159	31657	
	Subtotal					38737	239202	63743	482782	821464	11442	57895	69337	25805	1			

Estimated Cargo Throughput at Khon Kaen Truck Terminal in 1996
(tons/year)

Commodity Group	Commodity Breakdown	Rate(s)				Utiliz.(%)				Cargo Volume in 1996					Cargo Volume by Truck Terminal				
		In	out	BKK	Oth.	Inflow		Outflow		Total	Inflow			Outflow			Total		
						BKK	Others	BKK	Others		BKK	Others	total	BKK	Others	total			
Other Construc.	Asphalt	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Construction brick	0.0	91.0	10.0	10.0	0	0	5373	31453	36826	0	0	0	537	0	537	0	537	
	Palm roofing	0.0	0.0	10.0	10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Other const. mater	100.0	9.0	10.0	10.0	9159	5113	531	3111	17914	916	0	916	53	0	53	0	969	
	Subtotal					9159	5113	5904	34564	50339	916	0	916	590	0	590	0	1506	
Vegetable & Fruit	Longan	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rambutan	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Bananas	0.2	0.0	30.0	30.0	41	133	0	0	174	12	21	34	0	0	0	0	34	
	Water melon	24.2	0.0	30.0	30.0	4018	12945	0	0	16963	1205	2096	3301	0	0	0	0	3301	
	Pineapple	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Oranges	0.0	1.5	30.0	30.0	0	0	313	380	693	0	0	0	94	62	156	0	156	
	Coconut	11.9	0.0	30.0	30.0	1976	6367	0	0	8342	593	1031	1623	0	0	0	0	1623	
	Lime, Lemon	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Sugarcane	9.9	0.0	0.0	0.0	1647	5305	0	0	6952	0	0	0	0	0	0	0	0	
	Fresh vegetables	24.3	15.0	30.0	30.0	4034	12998	3145	3825	24003	1210	2104	3314	943	624	1568	0	4882	
	Papaya	16.6	14.2	30.0	30.0	2758	8887	2949	3611	18225	827	1439	2266	891	589	1480	0	3746	
	Sweet potato	11.7	31.8	30.0	30.0	1951	6787	6641	8070	22958	585	1018	1603	1992	1318	3310	0	4913	
	Other fruits	1.2	37.5	30.0	30.0	198	637	7833	9527	18195	59	103	162	2350	1554	3904	0	4067	
	Subtotal					16623	53559	20901	25422	116505	4193	7811	12304	6278	4148	10418	0	22722	
	Beverages	Drinks	69.8	32.3	30.0	30.0	36130	25070	1556	59541	122297	10839	3278	14137	467	11874	12291	0	26427
Ice & icecream		5.1	1.3	0.0	0.0	2632	1827	71	2714	7244	0	0	0	0	0	0	0	0	
Pure water		0.6	6.9	30.0	30.0	329	228	333	12739	13629	99	30	129	100	2530	2630	0	2758	
Alcohol & beer		23.8	54.5	30.0	30.0	12339	8562	2627	100528	124056	3702	1126	4878	788	19963	20151	0	25579	
Milk		0.6	3.7	30.0	30.0	329	228	177	6757	7491	99	30	129	53	1342	1395	0	1524	
Tea, Coffee		0.0	1.3	60.0	60.0	0	0	61	2326	2387	0	0	0	35	924	960	0	960	
Fruit flavor		0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal						51760	35915	4824	184605	277104	14738	4484	19222	1444	35582	38026	0	57249	
Processed Foods		Salt, Fish sauce	46.0	36.3	60.0	60.0	3955	30678	15084	16862	66579	2373	9907	12280	9050	8792	18042	0	30322
		Onion, Garlic	4.8	0.0	60.0	60.0	409	3175	0	0	3584	246	1025	1271	0	0	0	0	1271
	Dry fish	7.1	0.1	60.0	60.0	607	4712	54	60	5434	364	1572	1886	32	32	64	0	1951	
	Canned food	1.0	0.0	60.0	60.0	86	668	0	0	755	52	216	268	0	0	0	0	268	
	Eggs	0.4	6.3	60.0	60.0	30	234	2694	3011	5969	18	76	94	1616	1606	3222	0	3315	
	Meat	0.3	0.0	10.0	10.0	26	201	0	0	226	3	11	13	0	0	0	0	13	
	Other grocery	40.5	57.1	60.0	60.0	3485	27035	23704	26498	80722	2091	8730	10822	14222	14130	28352	0	39174	
	Subtotal					8600	66782	41533	46431	163268	5147	21486	26633	24921	24759	49680	0	76313	
	Animals	Chicken	8.2	63.3	0.0	0.0	46	6987	7809	25497	40339	0	0	0	0	0	0	0	0
		Duck, Geese	3.7	0.0	0.0	0.0	21	3176	0	0	3197	0	0	0	0	0	0	0	0
Cow		7.5	33.3	0.0	0.0	42	6352	4110	13419	23923	0	0	0	0	0	0	0	0	
Buffalo		20.9	0.0	0.0	0.0	117	17785	0	0	17902	0	0	0	0	0	0	0	0	
Pig		22.4	0.0	0.0	0.0	125	19055	0	0	19180	0	0	0	0	0	0	0	0	
Other animals		37.3	3.3	0.0	0.0	209	31758	411	1342	33720	0	0	0	0	0	0	0	0	
Subtotal						560	85112	12330	40258	138262	0	0	0	0	0	0	0	0	
Fish		Fresh fish	95.2	100.0	0.0	0.0	4868	6309	0	1221	12397	0	0	0	0	0	0	0	0
	Prawn	0.4	0.0	0.0	0.0	23	29	0	0	52	0	0	0	0	0	0	0	0	
	Shells	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Crab	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Other aquatic ani.	4.4	0.0	0.0	0.0	225	292	0	0	517	0	0	0	0	0	0	0	0	
Subtotal					5115	6630	0	1221	12966	0	0	0	0	0	0	0	0		
Fertiliz. & Feeds	Fertilizers	13.3	6.1	0.0	0.0	14223	622615	1079	9317	547234	0	0	0	0	0	0	0	0	
	Animal feed	86.7	93.9	0.0	0.0	92611	4939716	16717	144411	4307655	0	0	0	0	0	0	0	0	
	Subtotal					106834	4672531	17796	153728	4954889	0	0	0	0	0	0	0	0	
Household Appl.	Clothes	11.1	3.0	60.0	60.0	2334	2730	2223	1013	8300	1400	1135	2536	1334	314	1648	0	4184	
	Cosmetic	0.0	0.0	60.0	60.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Medicine & suppl.	0.5	1.2	60.0	60.0	95	111	897	409	1512	57	46	103	538	127	665	0	768	
	Furniture	28.0	6.0	60.0	60.0	5882	6880	4367	1991	19121	3529	2662	6371	2620	618	3238	0	9629	
	Electrical appl.	12.9	6.2	60.0	60.0	2713	3174	4523	2062	12473	1628	1320	2948	2714	640	3353	0	4302	
	Stationeries	34.7	71.3	60.0	60.0	7306	8544	52212	23807	91828	4383	3554	7937	31327	7383	38710	0	46647	
	Other households	12.9	12.3	60.0	60.0	2713	3174	4523	2062	12473	1628	1320	2948	2714	640	3353	0	4302	
	Subtotal					21044	24612	73190	33372	152217	12626	10238	22864	43914	10349	54263	0	77127	
Other Manufact.	Containers	93.1	76.7	60.0	60.0	266675	287835	15422	81214	654145	160005	130699	290704	9253	47127	56380	0	347084	
	Entertain	6.9	1.8	60.0	60.0	19646	21205	363	1970	43182	11788	9629	21417	216	1102	1319	0	22335	
	House Equip. evo	0.0	0.2	60.0	60.0	0	0	45	246	291	0	0	0	27	138	165	0	165	
	Mix. ready made pro	0.0	21.3	60.0	60.0	0	0	4284	23393	27676	0	0	0	2570	13091	15661	0	15661	
Subtotal					286321	309040	20111	107822	725295	171793	140328	312121	12067	61458	23525	0	385646		
All Others	Vegetable oil	2.1	0.0	60.0	60.0	572	545	0	0	1117	343	133	476	0	0	0	0	476	
	Rubber	3.4	3.6	30.0	30.0	906	863	742	1285	3796	272	105	377	222	233	455	0	833	
	Cigarettes	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Betel, Tobacco leaf	0.4	8.9	0.0	0.0	95	91	1854	3212	5252	0	0	0	0	0	0	0	0	
	Fibers	2.2	1.6	60.0	60.0	596	568	334	519	2076	358	139	496	200	210	410	0	906	
	Engines, Machines	13.1	21.6	30.0	30.0	3504	3340	4486	7773	19103	1051	407	1458	1346	1110	2756	0	4214	
	Plants, Flowers	1.3	0.0	60.0	60.0	358	341	0	0	498	215	83	298	0	9	0	0	298	
	Animal skin, Horn	8.0	2.7	60.0	60.0	2145	2045	556	964	5710	1787	499	1786	334	350	683	0	2469	
	Chemicals	51.7																	

Estimated Cargo Throughput at Hat Yai Truck Terminal in 1996
(tons/year)

Commodity Group	Commodity Breakdown	Rate (%)		Utiliz. (%)		Cargo Volume in 1996					Cargo Volume by Truck Terminal								
		In	out	BRK	Oth.	Inflow		Outflow		Total	Inflow			Outflow			Total		
						BRK	Others	BRK	Others		BRK	Others	Total	BRK	Others	Total			
Other Construc.	Asphalt	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Construction brick	23.1	0.0	10.0	10.0	1532	3480	0	0	5012	153	186	339	0	0	0	0	339	
	Pala roofing	0.0	0.0	10.0	10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Other const. mater	76.9	100.0	10.0	10.0	5107	11600	1278	20839	38824	511	619	1130	128	1507	1635	2765	2765	
	Subtotal					6640	15080	1278	20839	43836	664	805	1469	128	1507	1635	3104	3104	
Vegetable & Fruit	Longan	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rambutan	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Bananas	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Water melon	0.8	15.1	30.0	30.0	20	277	229	1963	2439	6	58	65	69	91	160	224	224	
	Pineapple	0.7	4.9	30.0	30.0	18	199	75	640	931	5	51	57	22	30	52	109	109	
	Oranges	31.6	23.4	30.0	30.0	845	9392	353	3029	13619	254	2419	2673	106	141	246	2919	2919	
	Coconut	10.4	6.6	30.0	30.0	278	3093	99	853	4324	83	797	880	30	40	69	950	950	
	Lime, Lemon	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Sugarcane	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Fresh vegetables	54.6	40.1	30.0	30.0	1461	16230	606	5205	23502	438	4181	4619	182	241	423	5042	5042	
	Papaya	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Sweet potato	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Other fruits	1.9	9.9	30.0	30.0	51	567	149	1280	2048	15	146	162	45	59	104	266	266	
	Subtotal					2673	29707	1511	12970	46861	807	7653	8460	453	607	1060	9510	9510	
Beverages	Drinks	70.4	47.4	30.0	30.0	10942	16035	333	21674	51981	3281	0	3283	100	3379	3879	7162	7162	
	Ice & icecream	13.1	40.9	0.0	0.0	2033	2377	321	23785	27118	0	0	0	0	0	0	0	0	
	Pure water	15.7	10.6	30.0	30.0	2439	3574	81	6135	12232	732	0	732	25	940	965	1696	1696	
	Alcohol & beer	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Milk	0.9	4.1	30.0	30.0	136	199	48	3557	3939	41	0	41	14	545	559	600	600	
	Tea, Coffee	0.0	0.0	60.0	60.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Fruit flavor	0.0	0.0	30.0	30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Subtotal					15549	27286	785	58152	97272	4055	0	4055	139	5264	5403	9158	9158	
	Processed Foods	Salt, Fish sauce	11.4	0.3	60.0	60.0	1300	1023	67	55	2445	780	547	1327	40	13	53	1380	1380
Onion, Garlic		16.6	18.0	60.0	60.0	1900	1495	4711	3887	11994	1140	800	1940	2827	918	3745	5685	5685	
Dry fish		20.4	0.5	60.0	60.0	2330	1834	133	110	4407	1398	981	2379	80	26	106	2485	2485	
Canned food		14.9	69.2	60.0	60.0	1700	1338	18112	14943	36093	1020	716	1736	10067	3528	14395	16131	16131	
Eggs		0.0	0.0	60.0	60.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Meal		0.0	4.6	10.0	10.0	0	0	1201	991	2192	0	0	0	120	39	159	159	159	
Other grocery		36.7	7.4	60.0	60.0	4190	3297	1949	1608	11044	2514	1764	4278	1169	380	1549	5827	5827	
Subtotal						11421	8907	26174	21594	68175	6852	4809	11661	15103	4904	20007	31668	31668	
Animals		Chicken	69.0	0.0	0.0	0.0	0	237	0	0	237	0	0	0	0	0	0	0	0
		Duck, Goose	0.0	100.0	0.0	0.0	0	0	53	0	53	0	0	0	0	0	0	0	0
	Cow	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Buffalo	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Pig	31.0	0.0	0.0	0.0	0	107	0	0	107	0	0	0	0	0	0	0	0	
	Other animals	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Subtotal					0	344	53	0	398	0	0	0	0	0	0	0	0	
Fish	Fresh fish	92.8	59.1	0.0	0.0	5334	143703	29358	27500	205895	0	0	0	0	0	0	0	0	
	Prawn	7.1	8.1	0.0	0.0	407	10958	3054	2861	17280	0	0	0	0	0	0	0	0	
	Shells	0.0	9.1	0.0	0.0	0	0	4517	4231	8747	0	0	0	0	0	0	0	0	
	Crab	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Other aquatic ani.	0.1	25.6	0.0	0.0	7	200	12733	11727	24867	0	0	0	0	0	0	0	0	
	Subtotal					5748	154861	47662	46518	256789	0	0	0	0	0	0	0	0	
Fertiliz. & Feed	Fertilizers	43.8	20.7	0.0	0.0	32500	61554	8823	14749	117627	0	0	0	0	0	0	0	0	
	Animal feed	56.2	79.3	0.0	0.0	41722	79020	33744	56408	210894	0	0	0	0	0	0	0	0	
	Subtotal					74222	140574	42567	71157	328521	0	0	0	0	0	0	0	0	
Household Appl.	Clothes	0.4	8.4	60.0	60.0	68	77	769	961	1816	61	28	89	462	246	708	777	777	
	Cosmetic	5.1	0.0	60.0	60.0	937	1064	0	0	2001	562	382	944	0	0	0	944	944	
	Medicine & suppl.	0.0	1.5	60.0	60.0	0	0	136	170	305	0	0	0	81	43	125	125	125	
	Furniture	18.5	37.0	60.0	60.0	3399	3858	3386	4227	14870	2040	1385	3424	2031	1084	3115	6540	6540	
	Electrical appl.	9.3	14.1	60.0	60.0	1704	1934	1295	1616	6549	1022	694	1717	777	414	1191	2908	2908	
	Stationeries	10.4	76.3	60.0	60.0	1917	2176	2408	3006	9507	1150	781	1931	1445	771	2216	4147	4147	
	Other households	56.4	12.7	60.0	60.0	10394	11797	1159	1447	24797	6237	4234	10471	695	371	1066	11537	11537	
	Subtotal					18120	20906	9152	11425	59904	11052	7504	18556	5491	2930	8421	26977	26977	
Other Manufact.	Containers	87.9	65.1	60.0	60.0	297348	293378	11182	136707	738615	178409	103271	281680	6709	54213	60922	342602	342602	
	Entertain	3.0	0.0	60.0	60.0	10246	10110	0	0	20356	6148	3559	9706	0	0	0	9706	9706	
	House equip. ware	0.0	6.0	60.0	60.0	0	0	1033	12635	13668	0	0	0	620	5018	5631	5631	5631	
	Mix. ready made pro	9.1	28.9	60.0	60.0	30739	30129	4761	60646	126675	18143	10676	29119	2976	24050	27027	56146	56146	
	Subtotal					338333	333816	17177	209988	897314	203000	117506	320506	10306	63274	93580	414085	414085	
All Others	Vegetable oil	13.7	12.9	60.0	60.0	814	52388	18628	16156	87986	488	13007	13495	11177	5578	16755	30250	30250	
	Rubber	81.7	70.4	30.0	30.0	4851	312331	101235	81800	506217	1455	38714	40229	30311	15156	65527	85156	85156	
	Cigarettes	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Betel, Tobacco leaf	1.2	0.0	0.0	0.0	69	4440	0	0	4509	0	0	0	0	0	0	0	0	
	Fibers	1.0	2.4	60.0	60.0	60	3885	3426	2971	10342	36	965	1001	2056	1026	3081	4082	4082	
	Engines, Machines	0.1	6.2	30.0	30.0	9	555	8907	7725	17196	3	69	71	2672	1334	4006	4077	4077	
	Plants, Flowers	1.5	0.3	60.0	60.0	91	5883	471	409	6854	55	1461	1515	283	181	424	1939	1939	
	Animal skin, Horn	0.0	0.0	60.0	60.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Chemicals	0.1	4.4	60.0	60.0	9	555</												