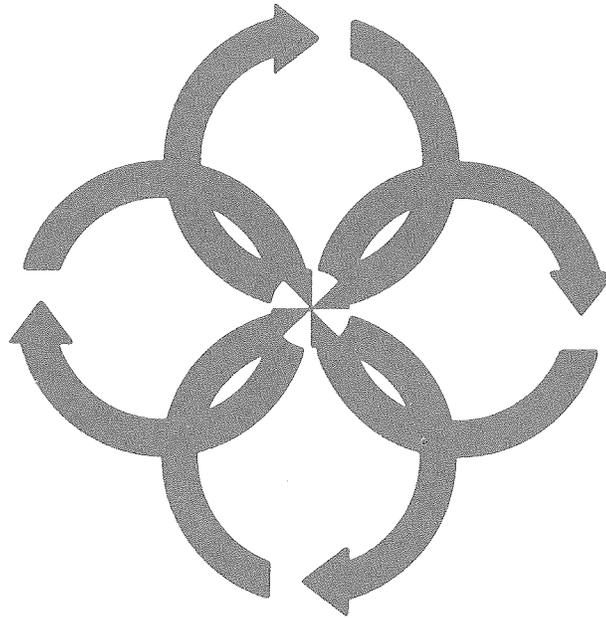


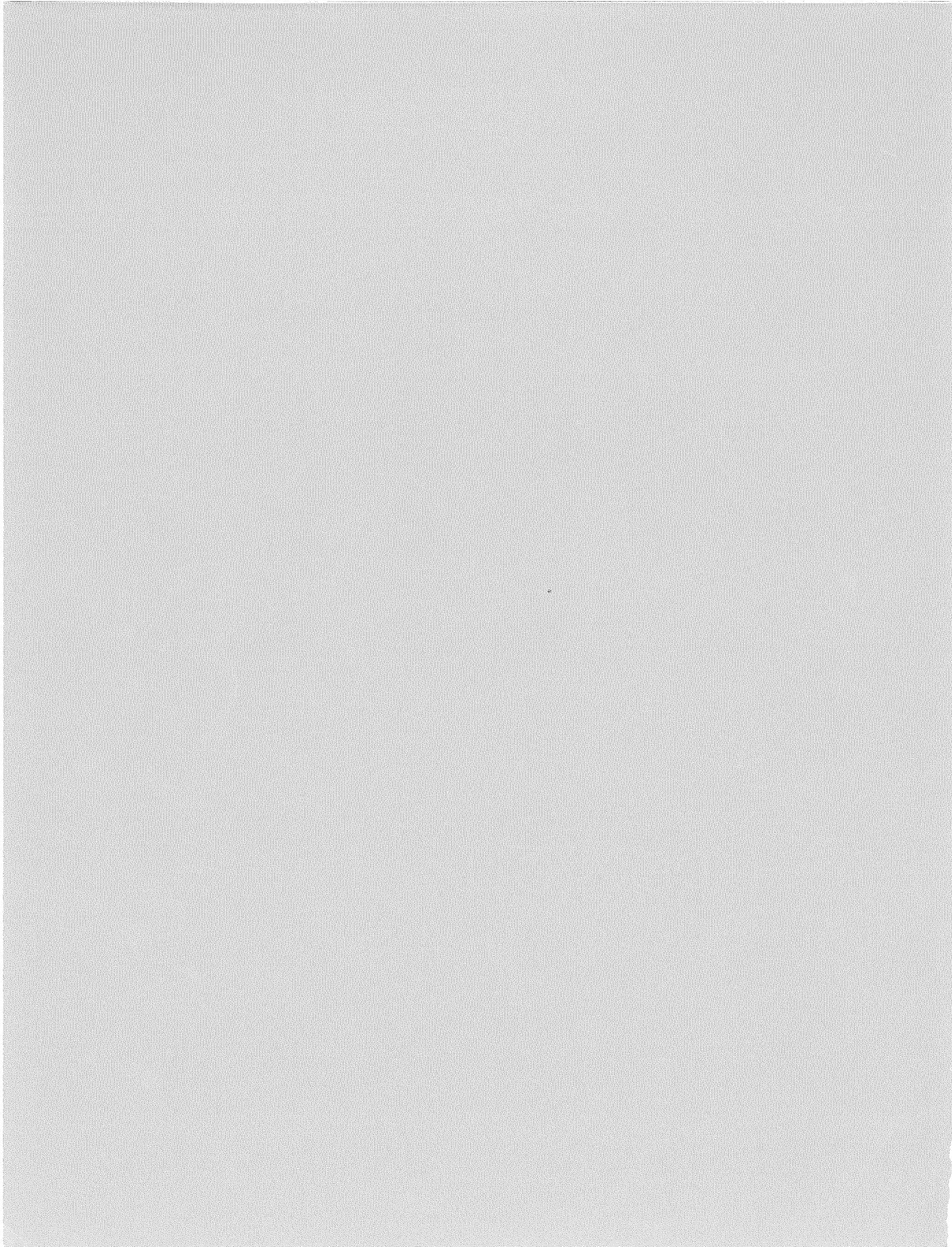
**THE UTAH PROCESS
ALTERNATIVE FUTURES
1975 - 1990**



Introduction and Summary

**OFFICE OF THE STATE PLANNING COORDINATOR
OFFICE OF GOVERNOR CALVIN L. RAMPTON
SALT LAKE CITY, UTAH**

DECEMBER, 1975



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INTRODUCTION AND SUMMARY

Office of the State Planning Coordinator
Office of Governor Calvin L. Rampton
118 State Capitol
Salt Lake City, Utah 84114

December, 1975



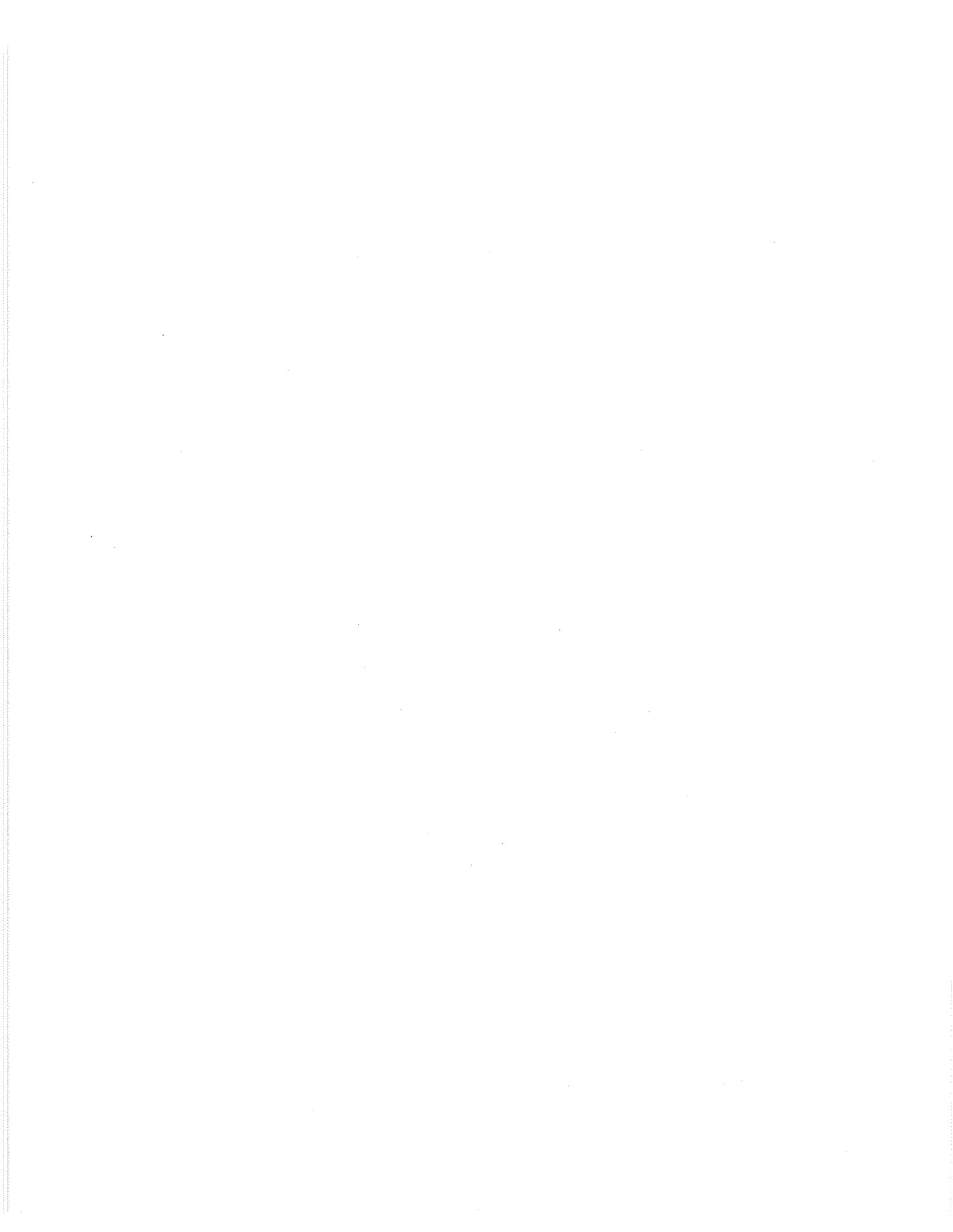
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PREFACE

This report presents a summary of the Alternative Future projections produced by the Office of the Utah State Planning Coordinator. Each Alternative Future represents the projected impacts on the State and its Multi-County Districts of a specified set of potential major economic developments. More extensive presentations of the Alternative Futures projections and of the project under which they were produced are made in *The Utah Process Alternative Futures 1975-1990, Volumes I and II*. These are available at the Office of the State Planning Coordinator, 118 State Capitol, Salt Lake City, Utah 84114. Supplemental work was performed to update the State Input-Output Tables and to compare economic projection models. Reports on these efforts can be

obtained from the Bureau of Economic and Business Research, University of Utah, Salt Lake City, Utah 84112.

The Alternative Futures projections were prepared as a part of the technical support component procedure known as the Utah Process. The Utah Process has been under development since 1971 by the Office of the Utah State Planning Coordinator. The project reported upon this report, as well as much of the Utah Process development work has been funded by the Four Corners Regional Commission and the Office of Regional Economic Coordination, U.S. Department of Commerce. This report also presents the Alternative Projections in the context of a summary statement of the purpose, nature, and history of the Utah Process.



CHAPTER I. INTRODUCTION TO THE UTAH PROCESS

The Utah Process is a continuing program of the Office of the State Planning Coordinator. Its purpose is to improve and coordinate the activities of all levels of government, federal, state, and local, where there are substantial interdependencies. In achieving this purpose, particularly as it pertains to state government operation, the Utah Process comprises two separate though inter-related components. The first, the administrative component, is concerned with institutionalizing a procedure for developing coordinated contingency plans and budgets by the various state governmental agencies. Central to this concern is the concept of contingency planning. Contingencies are known in the Utah Process terminology as Alternative Futures. Conceptually each Future is composed of one or more plausible events of an economic, demographic, political, social and environmental nature which significantly alters courses and conditions within the state or its regions and hence changes the demands placed upon public resources. Planning adequately for such contingencies requires, from the administrative point of view, improving agency planning capabilities, extending the planning horizon beyond the one-year budgetary cycle, and relating the proposed projects and programs of each Alternative Future to their budgetary requirements. Coordination is achieved through event and Future identification by agency decision-makers, improved communications among decision-makers and planning staffs, review of the various agency contingency plans for possible areas of cooperation or conflict, and revising plans as necessary.

The second, the technical, component of the Utah Process is concerned with projecting and analyzing the impacts and implications of the Alternative Futures. Information generated from this activity is then used as the basis for agency planning.

Several advantages result from the Utah Process's Alternative Futures approach to planning and decision-making. First, it is technically and politically feasible to implement. No explicit objective function is required at the state level; agencies retain planning and evaluation functions for their projects and programs, and agency heads retain their prerogatives and decision-making powers. Secondly, the problem of uncertainty as it relates to planning is manageable. By defining the Alternative Futures in terms of potential future events, contingency programs based upon specific assumptions can be put into operation or discarded as these events occur or do not occur through time. Moreover, new Futures can be developed routinely as circumstances require. This overcomes the inappropriateness of planning on the basis of risk analysis under conditions of uncertainty (where the probability of an event's occurrence is unknown) and where events do not recur in large numbers. Third, with coordinated agency plans being developed on shared assumptions, a more rapid and effective governmental response to changing problems and demands is possible.

The Utah Process requires the ability to produce, at low cost in both time and resources, projections of the impacts on population, employment, etc., of the events incorporated in the Alternative Futures. Early in the development of the Utah Process, it was recognized that traditional computer models are poorly designed in terms of their ability to respond to this type of information requirement. The reason for this deficiency is that such models have been designed to extrapolate past trends to produce "one best estimate" projections. These projections, it is well recognized, (1) will inevitably be significantly wrong and (2) cannot be used to project the impacts of events which represent shifts away from past trends. Thus, the

requirement for a new type of modeling capacity was recognized. This recognition led to the development of the Utah Process Economic and Demographic Impact (UPED) Model.

The Alternative Futures projections reported upon in this Summary are produced through the use of the UPED Model.

The UPED Model has been created to project the effects of each Utah Process Alternative Future on the economy and population of the state and its regions. In order to do so, the model forecasts the pressures for labor force migration which result from either excess or deficient demand for labor in each region (multi-county district). One of the

most important advantages of this model over others is that it not only forecasts population totals, it also forecasts characteristics in terms of age, sex, and size of labor force. These characteristics are of prime importance in planning for the delivery of certain state services, such as education, family services and transportation.

The model produces projections of levels and composition of future economic and demographic characteristics for the state and substate regions. Further, by comparing projections for different Alternative Futures, the model produces projections of the impacts of the various major developments of which the Futures are composed.

CHAPTER II. ALTERNATIVE FUTURE ZERO

Baseline Projection

Alternative Future Zero is specified as the projected set of basic employment events viewed as most likely to occur during the projection period (1970-1990) along with total employment and demographic impacts projected to result from the events. Thus, Future Zero serves as a baseline projection against which the impacts of the combinations of events specified in the other Alternative Futures can be measured. Differences between each Alternative Future and Alternative Future Zero are to be interpreted as projections of the "difference made" by the events incorporated into each Future. Even though Future Zero consists only of events considered highly likely to occur, it should not be concluded that it represents, in any sense, "the" Utah Process projection. It is virtually certain that some events not incorporated in Zero will eventually occur. To a large extent, the "contingency planning" decision-making approach of the Utah Process itself is designed to cope with this inherent impossibility of producing a single highly reliable projection of future economic and demographic conditions.

It should also be emphasized that Alternative Future Zero is not produced as an extrapolation of past trends. If the most likely set of events constitute a significant break in historical trends, either up or down, for any area, then these are incorporated in Zero.

Underlying Assumptions

Utah has had a long term tendency of achieving only a slowly increasing economic base resulting in a slowly increasing, and in some areas, declining population and employment with a regular out-migration of native Utahns due to inadequate economic opportunities within the state. It is now apparent that this tendency has been reversed. Alternative Future Zero is based upon the assumption that this reversal of past experience is the

beginning of an expansionary trend in the state's economic base. Also included is the assumption that, as the economic base increases, so do other measures of the average economic well being of the state's residents compared to their counterparts in the rest of the nation. In particular, it is assumed in Alternative Future Zero that:

1. Unemployment rates in the state will tend toward approximate parity with those in the U.S.
2. Per capita local employment for local consumption will tend to increase toward national averages; i.e., levels of economic goods and services produced and consumed in the state will rise toward national averages in the industrial sectors which serve local markets.

Basic Employment Assumptions of Alternative Future Zero

The following tables present, by broad sector, the basic employment assumptions upon which Future Zero is based. These represent aggregations of the 78 sector assumptions as they were actually introduced into the UPED computer program. A brief narrative follows the tables to discuss the thinking underlying the actual basic employment assumptions.

1. State of Utah

Projections of basic employment were made for each multi-county district (MCD) on the basis of its economic structure and the particular character of the assumed events. It was assumed that total basic employment in all MCD's except the Uintah Basin would rise throughout the projection period, although in particular industries, it was often projected to decline.

**Basic Employment
Year: 1985**

	Bear River	Wasatch Front	Mountain-land	Six County (Central)	Five County (South-western)	Uintah Basin	South-eastern	State
Agriculture	1,720	311	910	1,580	982	700	550	6,753
Mining	0	4,443	500	200	2,100	2,630	5,000	14,873
Contract Construction	850	7,605	2,375	1,000	2,200	750	1,250	16,030
Manufacturing	9,000	22,395	16,000	3,140	2,626	800	730	54,691
TCU	420	8,092	1,390	290	982	400	1,090	12,664
Trade	1,920	24,205	4,700	1,230	2,399	800	1,100	36,354
Fire	60	4,543	190	54	36	30	30	4,943
Services	450	17,396	14,700	1,400	2,039	800	880	37,665
Government	4,170	24,342	2,500	710	2,050	750	1,100	35,622
Total	18,590	113,332	43,265	9,604	15,414	7,660	11,730	219,595

**Basic Employment
Year: 1990**

	Bear River	Wasatch Front	Mountain-land	Six County (Central)	Five County (South-western)	Uintah Basin	South-eastern	State
Agriculture	1,695	261	860	1,500	940	660	520	6,436
Mining	0	4,335	500	200	2,003	2,250	5,200	14,488
Contract Construction	940	7,441	2,375	1,000	2,179	650	1,000	15,585
Manufacturing	10,400	24,932	18,000	3,440	2,904	900	760	61,336
TCU	460	9,180	1,530	340	860	400	1,130	13,900
Trade	2,080	32,241	4,700	1,350	2,904	800	1,140	45,215
Fire	70	5,140	205	62	48	30	30	5,585
Services	1,770	18,476	16,700	1,650	2,456	800	910	42,762
Government	5,100	25,853	3,000	750	2,457	700	1,200	39,060
Total	22,515	127,859	47,870	10,292	16,751	7,190	11,890	244,367

**Basic Employment
Year: 1975**

	Bear River	Wasatch Front	Mountain- land	Six County (Central)	Five County (South- western)	Uintah Basin	South- eastern	State
Agriculture	1,875	387	1,010	1,750	1,097	770	625	7,514
Mining	0	4,622	500	250	506	3,000	3,020	11,898
Contract Construction	740	6,327	2,590	1,750	579	1,000	1,580	14,566
Manufacturing	7,220	19,192	12,250	2,670	1,302	500	450	43,584
TCU	330	6,614	1,200	250	265	300	663	9,622
Trade	1,400	14,127	3,500	1,010	1,688	800	675	23,200
Fire	35	3,501	160	40	24	30	20	3,810
Services	710	15,263	11,350	910	1,422	800	540	30,995
Government	3,070	22,018	1,600	640	1,459	800	565	30,152
Total	15,380	92,054	34,160	9,270	8,342	8,000	8,138	175,341

**Basic Employment
Year: 1980**

	Bear River	Wasatch Front	Mountain- land	Six County (Central)	Five County (South- western)	Uintah Basin	South- eastern	State
Agriculture	1,800	352	960	1,660	1,048	740	580	7,140
Mining	0	4,425	500	200	1,507	3,000	4,300	13,932
Contract Construction	780	8,133	2,375	1,600	2,179	750	1,500	17,317
Manufacturing	8,200	21,158	14,000	2,840	2,399	700	630	49,927
TCU	380	7,405	1,270	250	595	400	940	11,240
Trade	1,590	18,719	4,700	1,110	2,013	800	950	29,882
Fire	50	3,251	170	46	30	30	25	3,602
Services	1,000	17,208	12,700	1,150	1,712	800	750	35,320
Government	3,670	23,237	2,000	670	1,736	800	970	33,083
Total	17,470	103,888	38,675	9,526	13,219	8,020	10,615	201,443

2. Bear River MCD

The manufacturing sector is the primary "driving force" in Future Zero for the Bear River MCD. The growth in manufacturing employment represents a significant shift in the economic structure of the MCD. It is assumed in Future Zero that this shift will continue over the projection period (to 1990) and that the Bear River area will become more industrialized.

3. Wasatch Front MCD

The primary driving sectors for the Wasatch Front MCD during the projection period are assumed to be basic manufacturing, i.e., manufacturing for export, and trade. This reflects the growing importance of the Wasatch Front as a commercial center serving the rapidly expanding economic and population activity levels projected in other areas of the state in Future Zero and also in expanding areas outside the state. The trend toward a more heavily manufacturing-oriented society is expected to continue to 1990. Similarly, it is assumed in Future Zero that the demand for trade services will continue throughout the projected period and that these tendencies will be amplified by increasing basic employment of other sectors, primarily manufacturing in the Wasatch Front MCD itself.

4. Mountainland MCD

As in the Bear River and Wasatch Front MCD's, manufacturing is established as the major driving sector in Future Zero in the economy of the Mountainland MCD. The trend toward a more heavily manufacturing-oriented economy, with a growing basic component, is expected to continue through the projection period. Also, significant growth in basic service sector employment is included as a driving sector component in the Mountainland MCD. This inclusion is based primarily upon a combination of expected developments in private educational services (BYU) and recreational services (including especially Park City in Summit County).

5. Six County (Central) MCD

It is assumed that the most likely set of driving sector events in the Six County MCD during the projection period relate to developments in food manufacturing. Employment in the

food manufacturing sector accounts for most of the projected increase in total basic employment over the projection period. The almost negligible increase in total basic from 1980-1985 results from an assumed decline in interstate road construction that is approximately offset by increases in other sectors. Employment, serving travel and tourism activities, is assumed to fall during the 1970-75 period as a result of the energy shortage, but to recover thereafter.

6. Five County (Southwestern) MCD

The overwhelming assumption for the Five County MCD is that the Kaiparowits project for electric power generation will become a reality. Moreover, it is assumed that the full impacts will be felt in Utah. To the extent that impacts are shared by Arizona, the projections reported here are overstatements. Nevertheless, dramatic changes in the size and structure of the Southwestern economy will result if this event occurs. Basic employment (that which produces goods and services for export to non-residents of the MCD or which supplies goods and services to exporting firms) is expected to rise drastically as a result of the Kaiparowits project. Major changes in employment are concentrated in three broad sectors—mining, construction, and transportation, communications and utilities (TCU).

7. Uintah Basin MCD

The most likely set of events for the projection period in Uintah Basin include the continued and expanded petroleum exploration drilling, reaching a peak sometime between 1975 and 1980. Afterwards, drilling is expected to decline, but basic mining employment will be sustained somewhat by production rather than exploration. Crude oil will continue to be transported out of the Uintah Basin by tanker truck during the main production period following 1980.

In Future Zero, no dewaxing plant, oil refinery expansion, or pipeline is included in the component events; on the other hand, neither is a marked reversal in current exploration policies. Also, no development at all of either tar sand or oil shale deposits is included.

8. Southeastern MCD

The major events assumed for the Southeastern MCD relate to coal mining and energy production in the Carbon-Emery area. Substantial

increases in those activities are assumed until 1980, after which increases are assumed to continue, but at smaller absolute percent rates.

Projections

The Alternative Future Zero projections of population, employment, employment-related migration, occupied dwelling units, and public

school age population produced by these assumptions are summarized along with those for Future I through X in Chapter III.

Detailed presentation of the entire set of projections for all Alternative Futures is presented in Volumes I and II of *The Utah Process Alternative Futures 1975-1990*.



CHAPTER III. THE ALTERNATIVE FUTURES

Events and Combinations

In Chapter I, the procedure utilized to identify events of concern to be included in the analysis of the Alternative Futures and to combine these events into the ten Futures was discussed. The results of this procedure are summarized in *Figure 1* on the following page.

Horizontally across the top of the figure are listed the 44 events organized by area of major impact. Down the left tab are listed the Alternative Futures from I to X with their names identified across the bottom. The positive and negative symbols are to be interpreted as additions or subtractions to the Alternative Future Zero events composition discussed in Chapter II.

This figure graphically illustrates the wide variety of uncertain but plausible future courses of development facing the state and implies the necessity of adopting contingency planning and budgeting to deal with that uncertainty.

Special mention must be made here of, and appreciation expressed for, the role assumed by the Utah State Department of Employment Security in the specification of direct basic employment projections for the events. Due to the high quality of the research, data base development, and fieldwork done by the Department, the quality and reliability of the Alternative Future projections are much higher than they could possibly have been in the absence of Department's cooperation and assistance. However, all data and conclusions found in this or companion volumes are solely the responsibility of the Office of the State Planning Coordinator.

Projections

The following set of maps and tables present a brief-glance summary of the Alternative Futures

projections. The boundaries of the state and the multi-county districts are drawn and the MCD's named in each map. The events included in the Alternative Futures are listed in each MCD.

Population

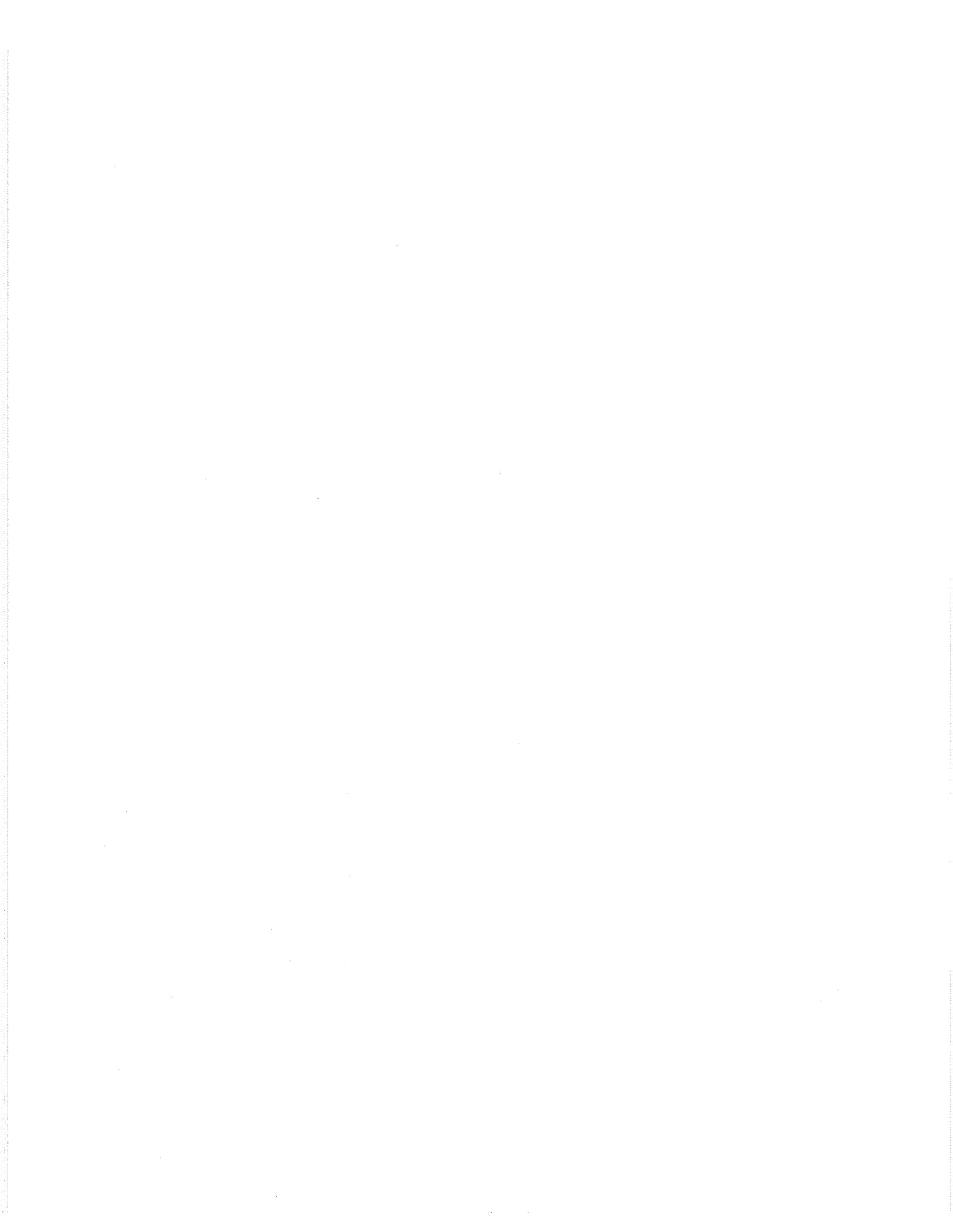
The upward pointing arrowheads appearing in each MCD represent ten-year population increases with larger arrowheads representing larger population growth percentages as indicated in the Key. Similarly, the downward pointing arrowheads represent ten-year population declines. Each arrowhead represents the projection for the decade indicated above it.

Migration

The small arrows indicate the direction of projected ten-year employment-related migration with the larger arrows representing a higher percentage of the MCD's initial population migrating for economic opportunity-related reasons as indicated in the Key.

Tables

The tables on the page facing each map are self explanatory. They represent projected values of total population, total employment, total occupied dwelling units or households, total public school age (5-17) population, and total employment-related migration for the years 1975, 1980, 1985, and 1990 or for the five-year period ending with the indicated year. Detailed presentations of these projections—age and sex of head of household for occupied dwelling units, and age and sex for public school age population—along with detailed projections of higher education age population and employment-related migration are presented in Volumes I and II of *The Utah Process Alternative Futures 1975-1990*.



S U M M A R Y O F P R O J E C T I O N S

ALTERNATIVE FUTURE: ZERO

POPULATION:

	1975	1980	1985	1990
BEAR RIVER MCD	84170	98623	110337	120340
WASATCH FRONT MCD . . .	780911	907635	997612	1062640
MOUNTAIN LANDS MCD . . .	177151	218428	258649	284634
CENTRAL MCD	42453	43419	45288	48372
SOUTH-WESTERN MCD	44802	67235	81868	88959
UINTAH BASIN MCD	35434	37133	36440	34554
SOUTH-EASTERN MCD	41757	51238	58298	61285
STATE OF UTAH	1206678	1423711	1588492	1700784

EMPLOYMENT:

	1975	1980	1985	1990
BEAR RIVER MCD	33106	39994	45641	51415
WASATCH FRONT MCD	323636	390627	436165	475269
MOUNTAIN LANDS MCD	65775	82451	99522	113284
CENTRAL MCD	17454	18385	19315	21014
SOUTH-WESTERN MCD	17621	27962	34153	37741
UINTAH BASIN MCD	14799	15619	15467	14866
SOUTH-EASTERN MCD	15996	20903	24022	25425
STATE OF UTAH	488386	595942	674285	739015

OCCUPIED DWELLING UNITS:

	1975	1980	1985	1990
BEAR RIVER MCD	23669	28624	33115	37177
WASATCH FRONT MCD	231770	281301	322329	354976
MOUNTAIN LANDS MCD	45002	56972	69992	79749
CENTRAL MCD	13459	14414	15310	16405
SOUTH-WESTERN MCD	13272	20501	25690	28618
UINTAH BASIN MCD	9971	11153	11406	11204
SOUTH-EASTERN MCD	12384	15785	18557	19991
STATE OF UTAH	356965	438206	507267	559840

PUBLIC SCHOOL AGE POPULATION (5-17):

	1975	1980	1985	1990
BEAR RIVER MCD	22068	24525	27534	29808
WASATCH FRONT MCD	207007	224635	239634	250091
MOUNTAIN LANDS MCD	46174	57754	69707	74792
CENTRAL MCD	10136	9116	10062	11250
SOUTH-WESTERN MCD	11156	15288	18755	21162
UINTAH BASIN MCD	9503	8382	8761	8621
SOUTH-EASTERN MCD	11130	11839	13052	14103
STATE OF UTAH	317173	351540	387505	409833

MIGRATION:

	1975	1980	1985	1990
BEAR RIVER MCD	5726	7212	4372	3369
WASATCH FRONT MCD	10318	65407	26727	9071
MOUNTAIN LANDS MCD	9589	22490	20633	6422
CENTRAL MCD	6092	-1475	-56	1655
SOUTH-WESTERN MCD	6862	17963	6521	1525
UINTAH BASIN MCD	13444	-1727	-3259	-3495
SOUTH-EASTERN MCD	2706	6804	3619	-195
STATE OF UTAH	54736	116674	60559	16351

ALTERNATIVE FUTURE ZERO

STATEWIDE EVENTS:
no events

KEY:

Annual Percent Population Change

0-2.5

2.5-5.0

5.0-10.0

Increase



Decrease

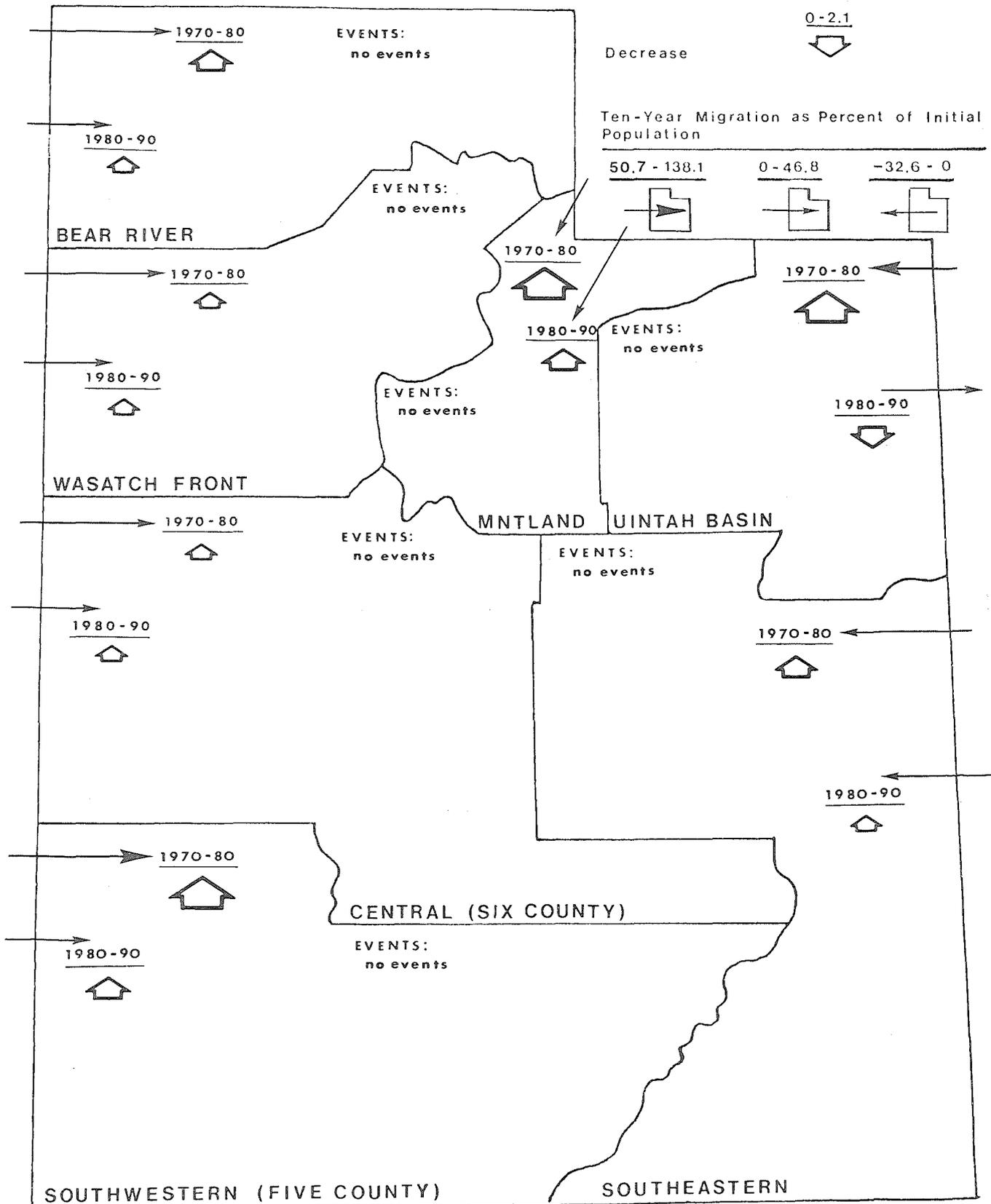
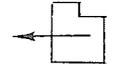
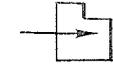


Ten-Year Migration as Percent of Initial Population

50.7 - 138.1

0 - 46.8

-32.6 - 0



SUMMARY OF PROJECTIONS

ALTERNATIVE FUTURE: ONE

POPULATION:

	1975	1980	1985	1990
BEAR RIVER MCD	83643	92271	105727	117829
WASATCH FRONT MCD	770292	838811	948564	1035494
MOUNTAIN LANDS MCD	174639	193025	232261	262244
CENTRAL MCD	42129	44519	46595	46136
SOUTH-WESTERN MCD	44518	51762	64339	75635
UINTAH BASIN MCD	35179	38564	41352	43484
SOUTH-EASTERN MCD	41475	47308	55228	59558
STATE OF UTAH	1191875	1306261	1494067	1642381

EMPLOYMENT:

	1975	1980	1985	1990
BEAR RIVER MCD	32879	37220	43643	50300
WASATCH FRONT MCD	318722	358645	414372	463143
MOUNTAIN LANDS MCD	64739	69845	83543	103844
CENTRAL MCD	17309	17768	19055	20749
SOUTH-WESTERN MCD	17496	20963	26443	31835
UINTAH BASIN MCD	14688	15208	16054	16667
SOUTH-EASTERN MCD	15876	19184	22736	24708
STATE OF UTAH	481706	538833	630845	711247

OCCUPIED DWELLING UNITS:

	1975	1980	1985	1990
BEAR RIVER MCD	23525	26824	31700	36352
WASATCH FRONT MCD	228700	260598	306422	345664
MOUNTAIN LANDS MCD	44342	50020	62208	72828
CENTRAL MCD	13374	14770	15726	16381
SOUTH-WESTERN MCD	13193	16052	20350	24375
UINTAH BASIN MCD	9901	11595	12928	14012
SOUTH-EASTERN MCD	12308	14688	17611	19427
STATE OF UTAH	352684	402986	476935	540206

PUBLIC SCHOOL AGE POPULATION (5-17):

	1975	1980	1985	1990
BEAR RIVER MCD	21942	23049	26704	29166
WASATCH FRONT MCD	204465	208871	230550	242859
MOUNTAIN LANDS MCD	45574	51867	64341	69373
CENTRAL MCD	10058	9330	10270	11119
SOUTH-WESTERN MCD	11088	11642	15199	18105
UINTAH BASIN MCD	9442	3669	9777	10610
SOUTH-EASTERN MCD	11062	10923	12486	13670
STATE OF UTAH	313631	324351	369329	394903

MIGRATION:

	1975	1980	1985	1990
BEAR RIVER MCD	5199	1471	6937	5794
WASATCH FRONT MCD	-301	8895	55255	34255
MOUNTAIN LANDS MCD	7077	0	22928	12584
CENTRAL MCD	5768	0	0	0
SOUTH-WESTERN MCD	6578	2820	8506	7245
UINTAH BASIN MCD	13190	0	0	0
SOUTH-EASTERN MCD	2425	3201	4990	1375
STATE OF UTAH	39936	16387	98615	61254

ALTERNATIVE FUTURE ONE

STATEWIDE EVENTS:
- general economic decline

KEY:

Annual Percent Population Change

0-2.5

2.5-5.0

5.0-10.0

Increase



Decrease



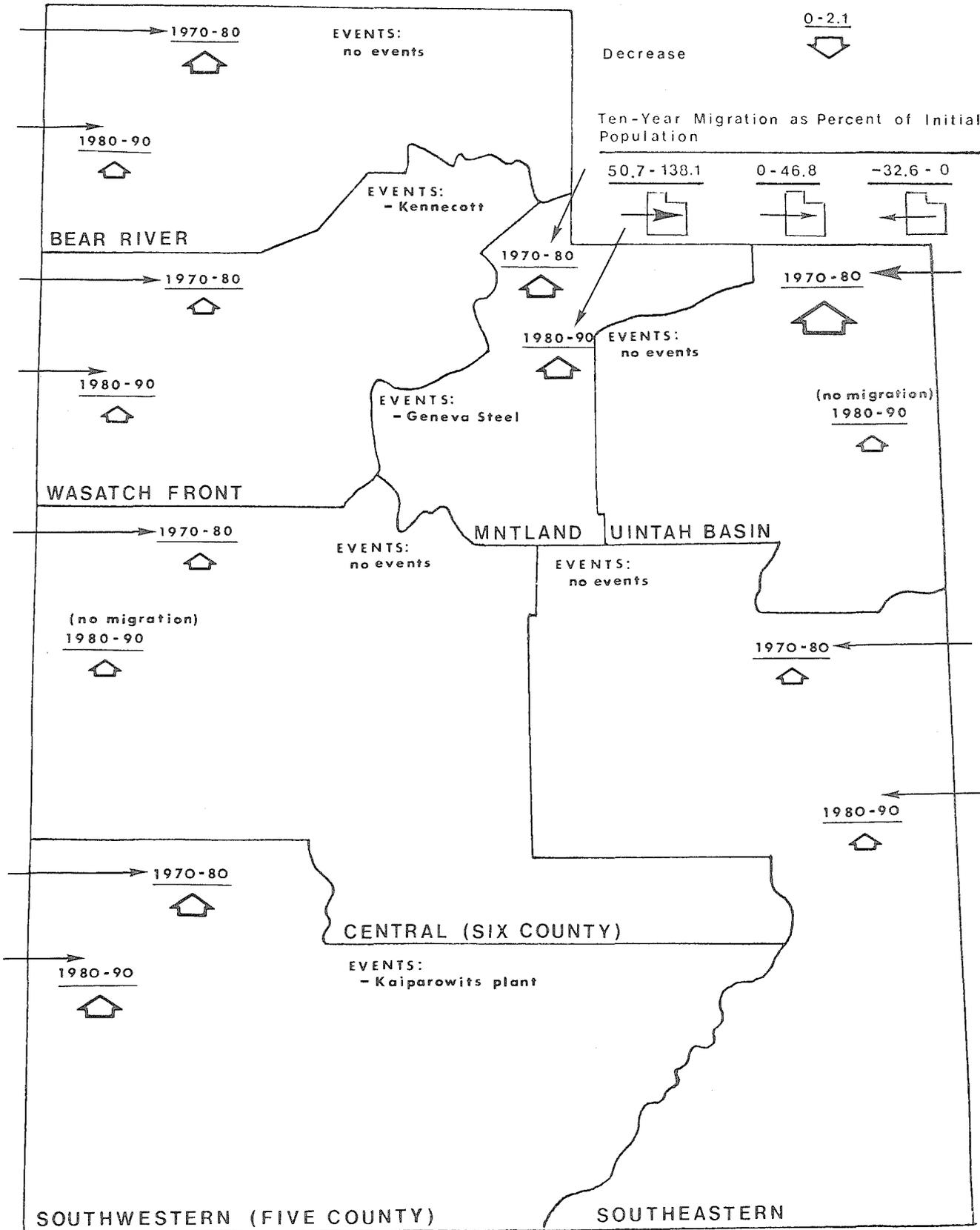
0-2.1

Ten-Year Migration as Percent of Initial Population

50.7-138.1

0-46.8

-32.6-0



(--- implies reduction or elimination)

SUMMARY OF PROJECTIONS

ALTERNATIVE FUTURE: TWO

POPULATION:

	1975	1980	1985	1990
BEAR RIVER MCD	84196	95706	107346	116850
WASATCH FRONT MCD . . .	760566	889593	966045	1020303
MOUNTAIN LANDS MCD . . .	175879	207415	247123	268541
CENTRAL MCD	42464	42208	44104	46915
SOUTH-WESTERN MCD . . .	44806	66060	79251	86172
UINTAH BASIN MCD	35464	36275	35579	33657
SOUTH-EASTERN MCD . . .	44101	54469	60542	63257
STATE OF UTAH	1207475	1391727	1539989	1635695

EMPLOYMENT:

	1975	1980	1985	1990
BEAR RIVER MCD	33117	36716	44339	49880
WASATCH FRONT MCD . . .	323476	382176	421738	455856
MOUNTAIN LANDS MCD . . .	65251	77845	94729	106554
CENTRAL MCD	17459	17814	18788	20371
SOUTH-WESTERN MCD . . .	17623	27430	32991	36502
UINTAH BASIN MCD	14813	15213	15083	14472
SOUTH-EASTERN MCD . . .	16993	22259	24917	26215
STATE OF UTAH	488730	581455	652886	709849

OCCUPIED DWELLING UNITS:

	1975	1980	1985	1990
BEAR RIVER MCD	23676	27799	32211	36110
WASATCH FRONT MCD . . .	231670	275891	312438	341448
MOUNTAIN LANDS MCD . . .	44668	53956	66595	74975
CENTRAL MCD	13462	14033	14937	15963
SOUTH-WESTERN MCD . . .	13273	20164	24908	27753
UINTAH BASIN MCD	9979	10897	11139	10926
SOUTH-EASTERN MCD . . .	13012	16712	19237	20588
STATE OF UTAH	357196	428561	491967	539015

PUBLIC SCHOOL AGE POPULATION (5-17):

	1975	1980	1985	1990
BEAR RIVER MCD	22074	23834	26949	28948
WASATCH FRONT MCD . . .	206924	220383	232660	239963
MOUNTAIN LANDS MCD . . .	45870	55211	67347	70695
CENTRAL MCD	10138	8879	9860	10890
SOUTH-WESTERN MCD . . .	11157	15010	18160	20534
UINTAH BASIN MCD	9510	8210	8608	8399
SOUTH-EASTERN MCD . . .	11690	12489	13585	14747
STATE OF UTAH	317364	344016	377169	394175

MIGRATION:

	1975	1980	1985	1990
BEAR RIVER MCD	5753	4265	4635	3125
WASATCH FRONT MCD . . .	9972	47766	15581	1292
MOUNTAIN LANDS MCD . . .	8317	12952	21535	2797
CENTRAL MCD	6103	-2699	125	1470
SOUTH-WESTERN MCD . . .	6866	16784	7234	1612
UINTAH BASIN MCD	13474	-2620	-3136	-3458
SOUTH-EASTERN MCD . . .	5050	7318	2285	-560
STATE OF UTAH	55536	83765	48310	6277

ALTERNATIVE FUTURE TWO

STATEWIDE EVENTS:

- general economic decline
- manufacturing

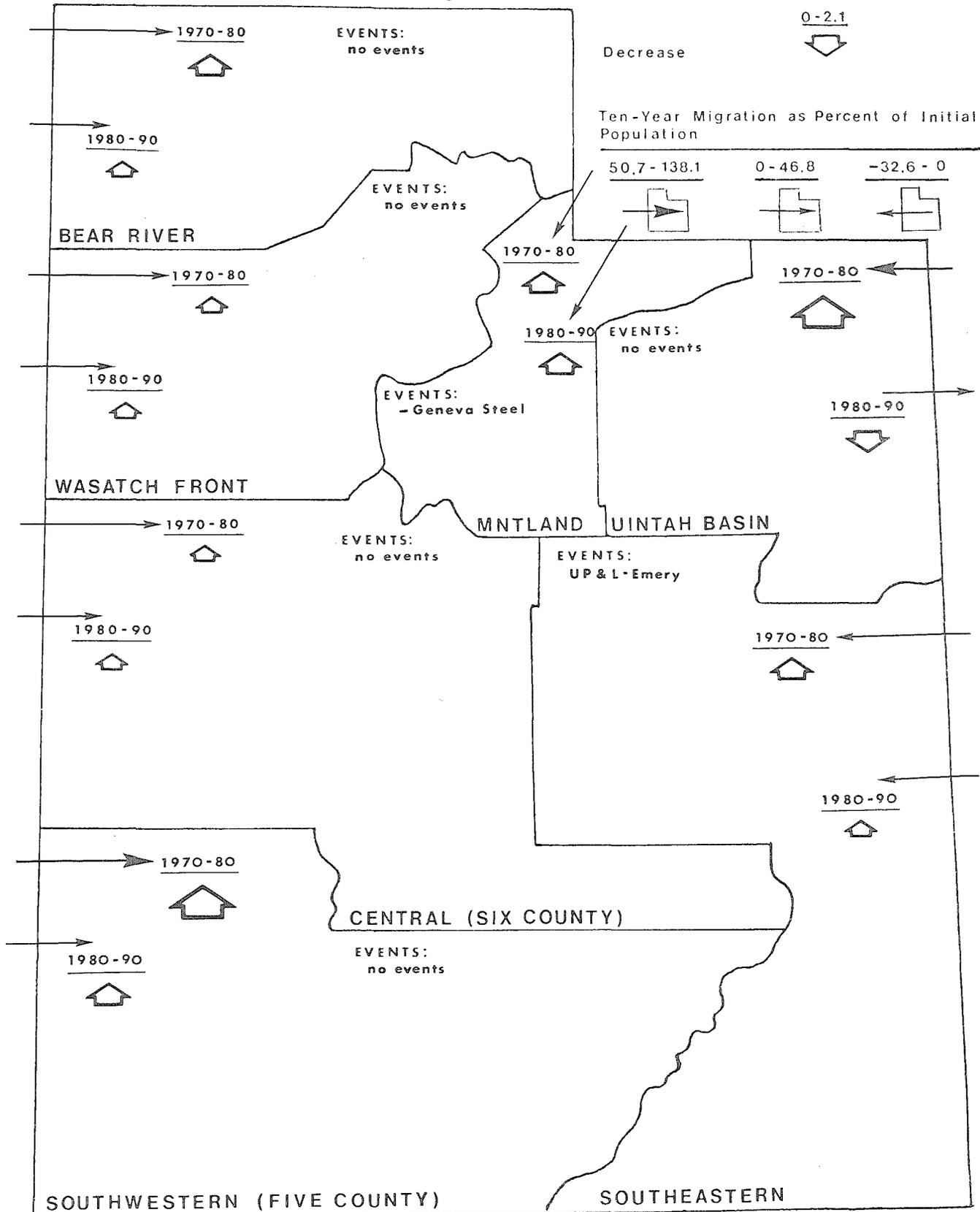
KEY:

Annual Percent Population Change

	<u>0-2.5</u>	<u>2.5-5.0</u>	<u>5.0-10.0</u>
Increase	↑	↑	↑
Decrease		↓	

Ten-Year Migration as Percent of Initial Population

	<u>50.7-138.1</u>	<u>0-46.8</u>	<u>-32.6-0</u>
Increase	→	→	←



("-") implies reduction or elimination

SUMMARY OF PROJECTIONS

ALTERNATIVE FUTURE: THREE

POPULATION:

	1975	1980	1985	1990
BEAR RIVER MCD	84249	96054	107425	116979
WASATCH FRONT MCD . . .	782673	888207	961149	1014898
MOUNTAIN LANDS MCD . . .	176008	207928	247189	271345
CENTRAL MCD	42502	42779	44006	46994
SOUTH-WESTERN MCD . . .	45029	66473	79512	86573
UINTAH BASIN MCD	35497	36353	35434	33667
SOUTH-EASTERN MCD	49431	62033	67096	72507
STATE OF UTAH	1215389	1399828	1541811	1642964

EMPLOYMENT:

	1975	1980	1985	1990
BEAR RIVER MCD	33140	38868	44373	49935
WASATCH FRONT MCD	324451	381468	419446	453335
MOUNTAIN LANDS MCD	65304	78059	94755	107710
CENTRAL MCD	17475	18082	18733	20403
SOUTH-WESTERN MCD	17720	27612	33100	36675
UINTAH BASIN MCD	14828	15248	15015	14478
SOUTH-EASTERN MCD	19262	25439	27581	30088
STATE OF UTAH	492180	584775	653003	712625

OCCUPIED DWELLING UNITS:

	1975	1980	1985	1990
BEAR RIVER MCD	23690	27898	32239	36149
WASATCH FRONT MCD	232280	275490	310905	339690
MOUNTAIN LANDS MCD	44702	54097	66622	75756
CENTRAL MCD	13472	14211	14906	15930
SOUTH-WESTERN MCD	13334	20284	24988	28874
UINTAH BASIN MCD	9988	10921	11094	10928
SOUTH-EASTERN MCD	14440	18881	21199	23370
STATE OF UTAH	359484	431065	492557	541233

PUBLIC SCHOOL AGE POPULATION (5-17):

	1975	1980	1985	1990
BEAR RIVER MCD	22087	23914	26952	28993
WASATCH FRONT MCD	207428	219952	231638	238866
MOUNTAIN LANDS MCD	45901	55326	67341	71483
CENTRAL MCD	10147	8991	9814	10949
SOUTH-WESTERN MCD	11211	15097	18217	20652
UINTAH BASIN MCD	9518	8225	8573	8411
SOUTH-EASTERN MCD	12965	14018	15154	17345
STATE OF UTAH	319257	345523	377689	396700

MIGRATION:

	1975	1980	1985	1990
BEAR RIVER MCD	5805	4552	4373	3176
WASATCH FRONT MCD	12080	43935	12330	1347
MOUNTAIN LANDS MCD	8446	13316	21025	5545
CENTRAL MCD	6141	-2172	-615	1673
SOUTH-WESTERN MCD	7089	16939	7036	1741
UINTAH BASIN MCD	13508	-2580	-3368	-3286
SOUTH-EASTERN MCD	10381	8701	458	1771
STATE OF UTAH	63450	82690	41238	11967

ALTERNATIVE FUTURE THREE

STATEWIDE EVENTS:

- general economic decline
- manufacturing

KEY:

Annual Percent Population Change

0-2.5

2.5-5.0

5.0-10.0

Increase



Decrease

0-2.1

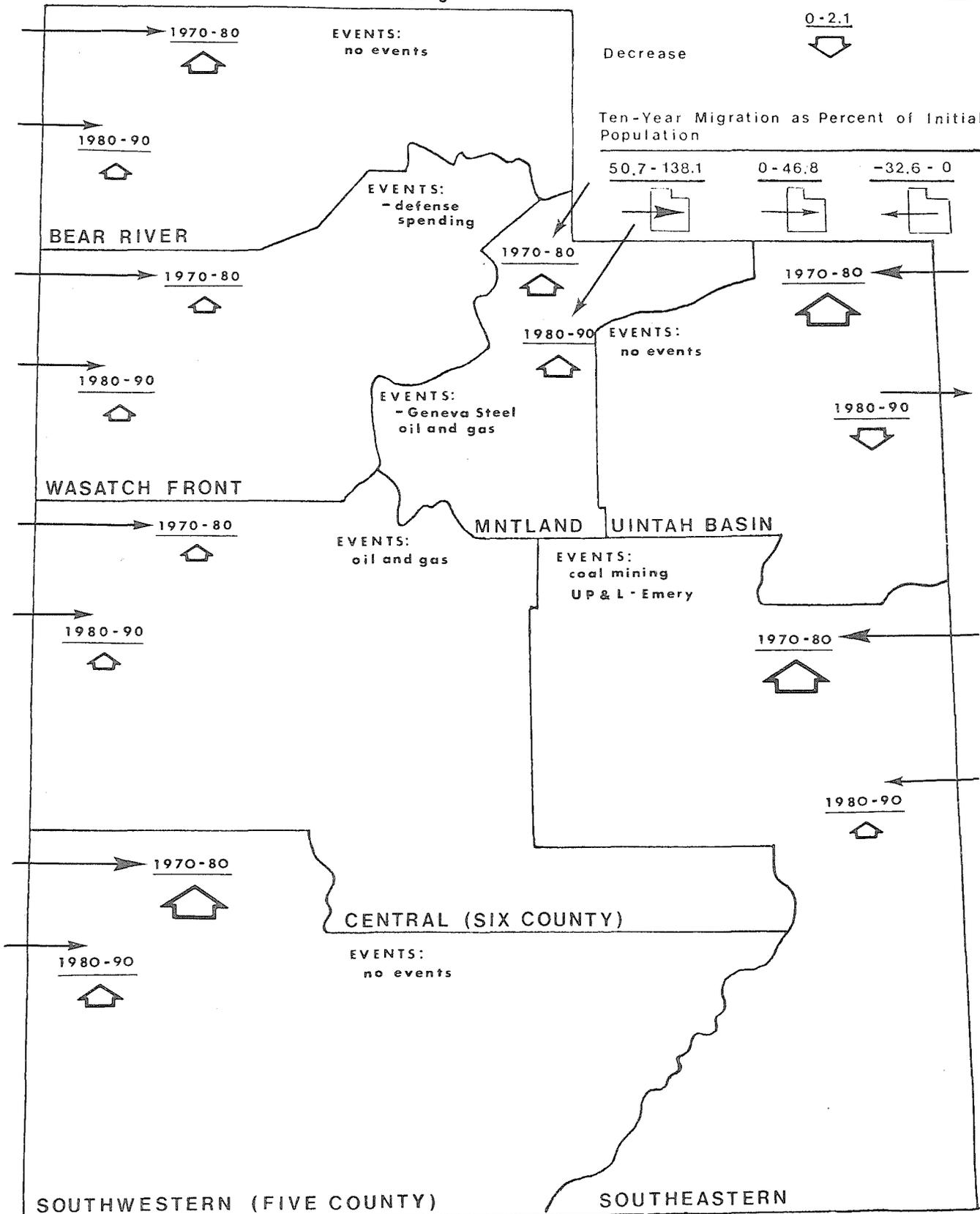


Ten-Year Migration as Percent of Initial Population

50.7-138.1

0-46.8

-32.6-0



("-" implies reduction or elimination)

S U M M A R Y O F P R O J E C T I O N S

ALTERNATIVE FUTURE: FOUR

POPULATION:

	1975	1980	1985	1990
BEAR RIVER MCD	84279	100107	111251	121098
WASATCH FRONT MCD	784210	940975	1030106	1095539
MOUNTAIN LANDS MCD	177377	222651	262611	288506
CENTRAL MCD	42532	56702	53981	57209
SOUTH-WESTERN MCD	45082	77111	104515	112507
UINTAH BASIN MCD	35632	49870	46899	44774
SOUTH-EASTERN MCD	49550	65832	73971	79865
STATE OF UTAH	1218663	1513248	1683334	1799516

EMPLOYMENT:

	1975	1980	1985	1990
BEAR RIVER MCD	33153	40643	46037	51746
WASATCH FRONT MCD	325162	406171	450803	490252
MOUNTAIN LANDS MCD	65868	84220	101173	114913
CENTRAL MCD	17489	24533	23068	24992
SOUTH-WESTERN MCD	17744	32428	44205	48212
UINTAH BASIN MCD	14888	21369	19899	19265
SOUTH-EASTERN MCD	19313	27104	30524	33240
STATE OF UTAH	493617	636468	715709	782621

OCCUPIED DWELLING UNITS:

	1975	1980	1985	1990
BEAR RIVER MCD	23698	29044	33399	37415
WASATCH FRONT MCD	232724	291317	332712	365666
MOUNTAIN LANDS MCD	45062	58126	71169	80931
CENTRAL MCD	13480	18123	17799	19026
SOUTH-WESTERN MCD	13349	23342	32443	35931
UINTAH BASIN MCD	10025	14799	14522	14276
SOUTH-EASTERN MCD	14472	19939	23224	25635
STATE OF UTAH	360431	465215	537147	591701

PUBLIC SCHOOL AGE POPULATION (5-17):

	1975	1980	1985	1990
BEAR RIVER MCD	22094	24871	27686	30016
WASATCH FRONT MCD	207796	232360	246133	258309
MOUNTAIN LANDS MCD	46228	58742	70478	75754
CENTRAL MCD	10155	12193	11766	13733
SOUTH-WESTERN MCD	11224	17611	23942	26447
UINTAH BASIN MCD	9550	11321	10352	11325
SOUTH-EASTERN MCD	12994	14911	16684	19045
STATE OF UTAH	320040	372009	407541	434623

MIGRATION:

	1975	1980	1985	1990
BEAR RIVER MCD	5835	8570	3609	3155
WASATCH FRONT MCD	13617	94921	21579	6869
MOUNTAIN LANDS MCD	9815	26451	19820	6014
CENTRAL MCD	6171	11715	-6398	1210
SOUTH-WESTERN MCD	7142	27515	19993	200
UINTAH BASIN MCD	13643	10780	-7242	-4495
SOUTH-EASTERN MCD	10500	12362	3035	1620
STATE OF UTAH	66724	192313	54396	14572

ALTERNATIVE FUTURE FOUR

STATEWIDE EVENTS:
no events

KEY:

Annual Percent Population Change

0-2.5

2.5-5.0

5.0-10.0

Increase



Decrease

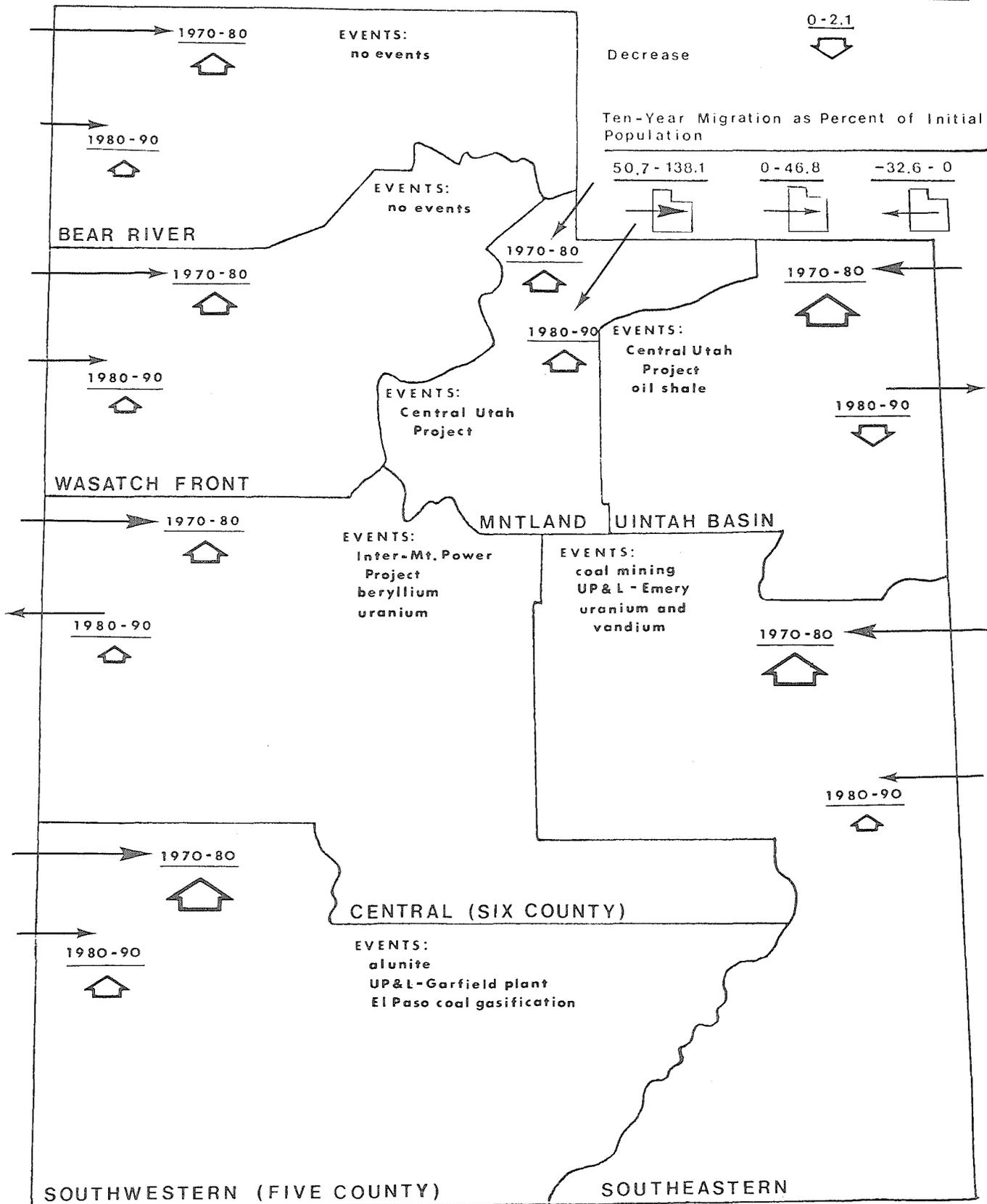


Ten-Year Migration as Percent of Initial Population

50.7 - 138.1

0 - 46.8

-32.6 - 0



S U M M A R Y O F P R O J E C T I O N S

ALTERNATIVE FUTURE: FIVE

POPULATION:

	1975	1980	1985	1990
BEAR RIVER MCD	86248	102812	115577	126425
WASATCH FRONT MCD . . .	855827	1040223	1179999	1284535
MOUNTAIN LANDS MCD . . .	186601	231870	275669	304951
CENTRAL MCD	45641	47771	50616	54162
SOUTH-WESTERN MCD	49748	79804	92912	101136
UINTAH BASIN MCD	37056	39448	34950	30765
SOUTH-EASTERN MCD	44347	54961	62805	66456
STATE OF UTAH	1305469	1596890	1812550	1968430

EMPLOYMENT:

	1975	1980	1985	1990
BEAR RIVER MCD	34002	41799	47888	54056
WASATCH FRONT MCD	358303	450737	517885	575624
MOUNTAIN LANDS MCD	69672	87964	106480	121688
CENTRAL MCD	18881	20323	21653	23579
SOUTH-WESTERN MCD	19791	33530	38900	43050
UINTAH BASIN MCD	15523	16629	14693	13108
SOUTH-EASTERN MCD	17093	22469	25390	27597
STATE OF UTAH	533270	673450	773394	858702

OCCUPIED DWELLING UNITS:

	1975	1980	1985	1990
BEAR RIVER MCD	24236	29822	34667	39029
WASATCH FRONT MCD	253433	321564	379239	425896
MOUNTAIN LANDS MCD	47485	60738	74916	85821
CENTRAL MCD	14303	15674	16872	18146
SOUTH-WESTERN MCD	14643	24144	29051	32366
UINTAH BASIN MCD	10413	11833	10918	9982
SOUTH-EASTERN MCD	13077	16852	19836	21566
STATE OF UTAH	385531	490834	577205	645341

PUBLIC SCHOOL AGE POPULATION (5-17):

	1975	1980	1985	1990
BEAR RIVER MCD	22565	25415	28755	31374
WASATCH FRONT MCD	224925	252336	283063	306961
MOUNTAIN LANDS MCD	48435	60471	73863	80149
CENTRAL MCD	10898	9965	11352	12784
SOUTH-WESTERN MCD	12339	18020	21143	24456
UINTAH BASIN MCD	9891	8837	8434	7892
SOUTH-EASTERN MCD	11749	12593	14147	15470
STATE OF UTAH	340801	387637	440757	479086

MIGRATION:

	1975	1980	1985	1990
BEAR RIVER MCD	7804	8991	4941	3808
WASATCH FRONT MCD	85234	111124	61571	34186
MOUNTAIN LANDS MCD	19039	24974	22780	3453
CENTRAL MCD	9281	-821	462	1744
SOUTH-WESTERN MCD	11808	24798	5502	1918
UINTAH BASIN MCD	15067	-1293	-7318	-5536
SOUTH-EASTERN MCD	5296	7525	3999	147
STATE OF UTAH	153529	175298	91938	44721

ALTERNATIVE FUTURE FIVE

STATEWIDE EVENTS:
recreation &
tourism

KEY:

Annual Percent Population Change

0-2.5

2.5-5.0

5.0-10.0

Increase



Decrease

0-2.1

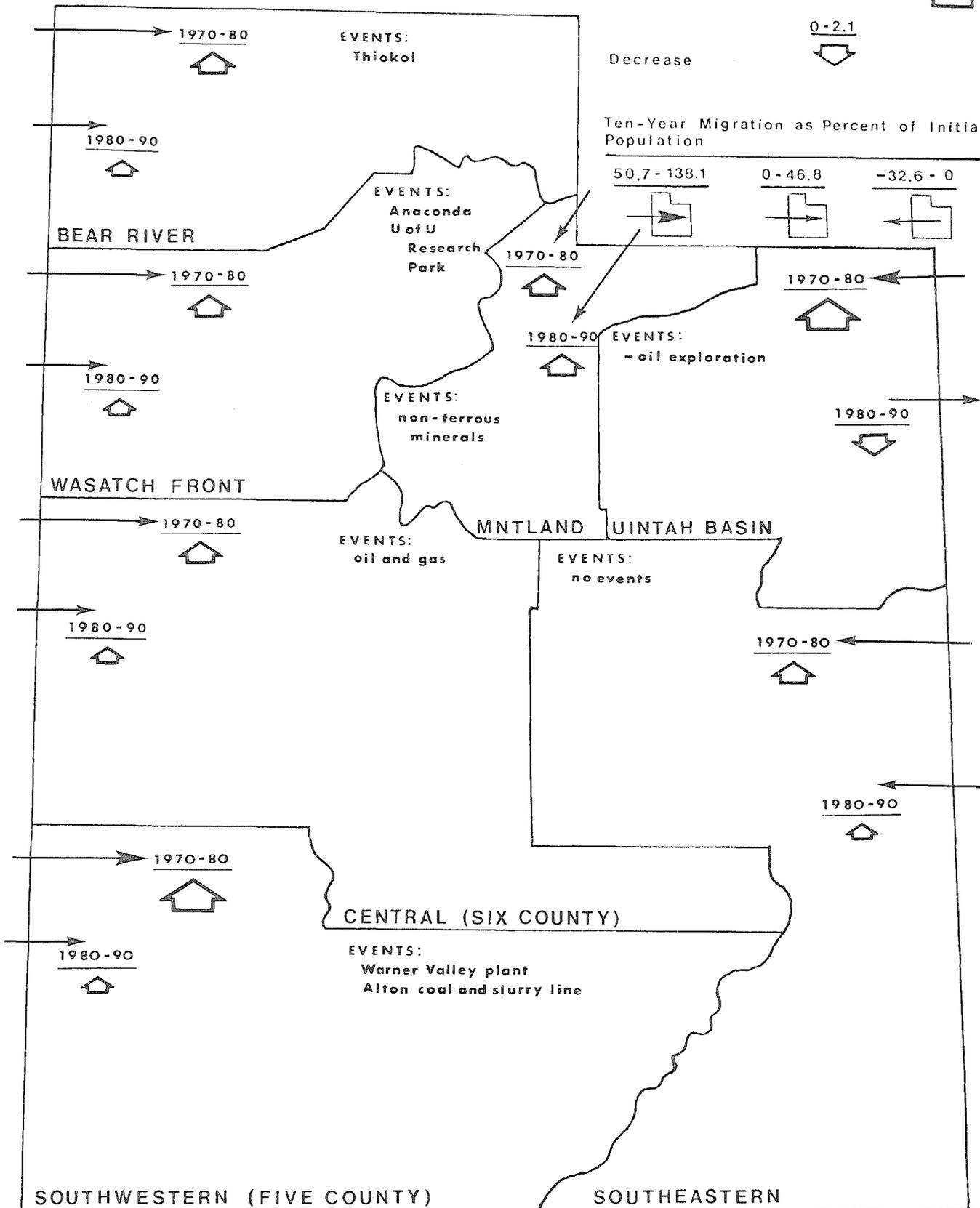
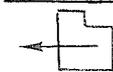


Ten-Year Migration as Percent of Initial Population

50.7-138.1

0-46.8

-32.6-0



(- implies reduction or elimination)

S U M M A R Y O F P R O J E C T I O N S

ALTERNATIVE FUTURE: SIX

POPULATION:

	1975	1980	1985	1990
BEAR RIVER MCD	86200	105795	120966	133899
WASATCH FRONT MCD . . .	851101	1119297	1298100	1422745
MOUNTAIN LANDS MCD . . .	186484	237374	285966	319507
CENTRAL MCD	45596	49381	53201	58132
SOUTH-WESTERN MCD	49711	76358	94454	104913
UINTAH BASIN MCD	37030	43006	41490	40161
SOUTH-EASTERN MCD	44327	56609	65716	70517
STATE OF UTAH	1300449	1687820	1959893	2149873

EMPLOYMENT:

	1975	1980	1985	1990
BEAR RIVER MCD	33981	43107	50233	57337
WASATCH FRONT MCD	356116	487949	571844	639062
MOUNTAIN LANDS MCD	69624	90276	110771	127803
CENTRAL MCD	18861	21079	22827	25374
SOUTH-WESTERN MCD	19775	31970	39622	44739
UINTAH BASIN MCD	15511	18258	17617	17293
SOUTH-EASTERN MCD	17090	23193	27137	29334
STATE OF UTAH	530957	715831	840051	940943

OCCUPIED DWELLING UNITS:

	1975	1980	1985	1990
BEAR RIVER MCD	24223	30666	36262	41288
WASATCH FRONT MCD	252066	345232	416479	470446
MOUNTAIN LANDS MCD	47454	62238	77876	90125
CENTRAL MCD	14291	16146	17640	19323
SOUTH-WESTERN MCD	14633	23153	29452	33492
UINTAH BASIN MCD	10406	12866	12915	12904
SOUTH-EASTERN MCD	13072	17310	20745	22790
STATE OF UTAH	334080	518110	623614	703743

PUBLIC SCHOOL AGE POPULATION (5-17):

	1975	1980	1985	1990
BEAR RIVER MCD	22553	26123	29944	33162
WASATCH FRONT MCD	223794	271274	303071	339501
MOUNTAIN LANDS MCD	48407	61779	76140	83633
CENTRAL MCD	10888	10311	11889	13753
SOUTH-WESTERN MCD	12331	17206	21736	25243
UINTAH BASIN MCD	9834	9629	9828	10124
SOUTH-EASTERN MCD	11744	12984	14788	16444
STATE OF UTAH	339601	409306	472396	521864

MIGRATION:

	1975	1980	1985	1990
BEAR RIVER MCD	7756	12030	6949	5377
WASATCH FRONT MCD	80508	195679	89952	43230
MOUNTAIN LANDS MCD	18922	30614	26819	11742
CENTRAL MCD	9235	841	1221	2872
SOUTH-WESTERN MCD	11771	21395	10946	3091
UINTAH BASIN MCD	15041	2295	-4828	-3256
SOUTH-EASTERN MCD	5277	9195	5043	1020
STATE OF UTAH	148510	272050	136103	64866

ALTERNATIVE FUTURE SIX

STATEWIDE EVENTS:

recreation &
tourism
wholesale trade

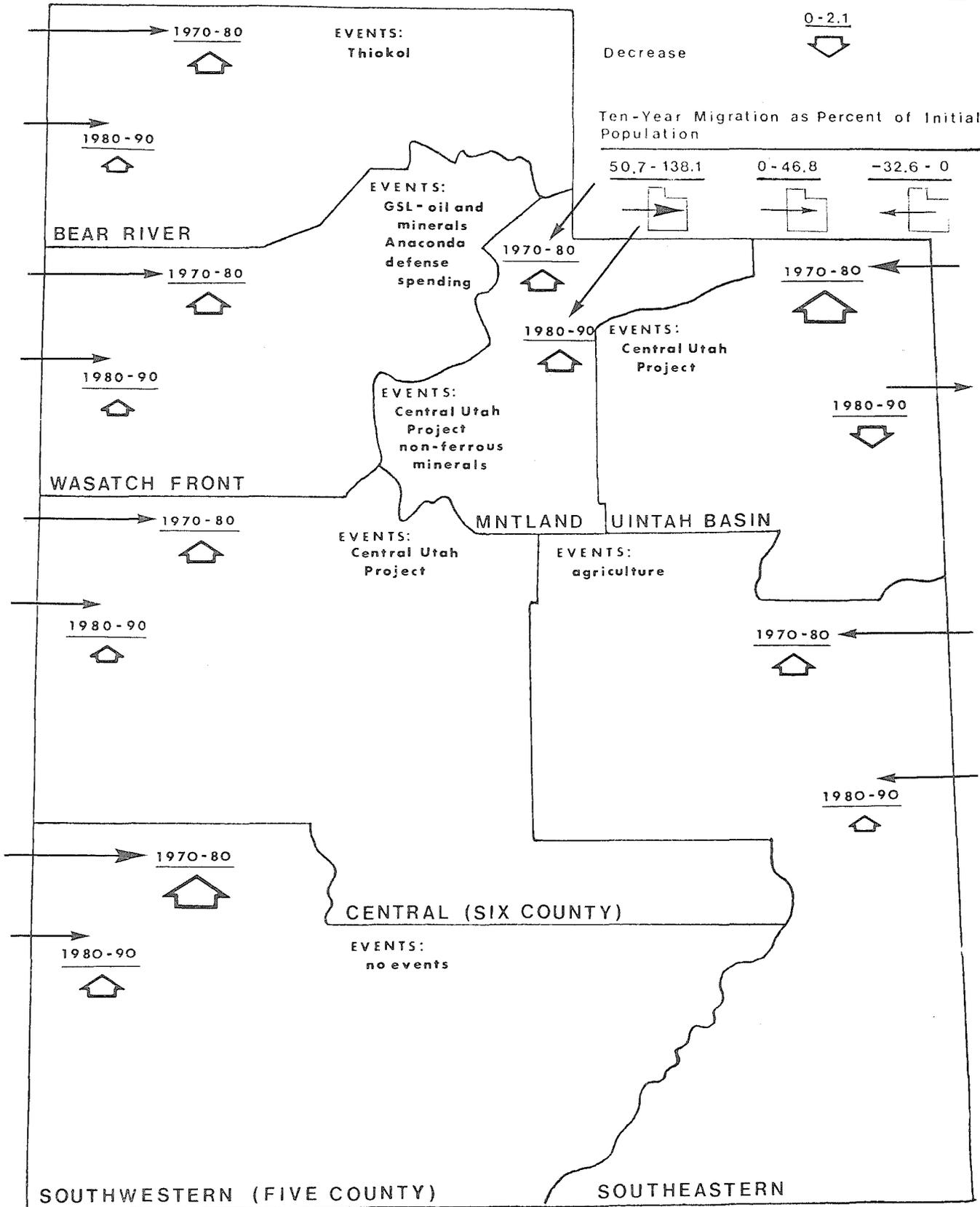
KEY:

Annual Percent Population Change

	0-2.5	2.5-5.0	5.0-10.0
Increase	↑	↑	↑
Decrease		↓	

Ten-Year Migration as Percent of Initial Population

	50.7-138.1	0-46.8	-32.6-0
Increase	→	→	←
Decrease			←



SUMMARY OF PROJECTIONS

ALTERNATIVE FUTURE: SEVEN

POPULATION:

	1975	1980	1985	1990
BEAR RIVER MCD	84205	102649	119623	132468
WASATCH FRONT MCD . . .	782070	953025	1112193	1231806
MOUNTAIN LANDS MCD . . .	177232	223527	270446	304926
CENTRAL MCD	42487	46590	50835	56746
SOUTH-WESTERN MCD	44856	77972	92524	102781
UINTAH BASIN MCD	35479	38315	38845	37990
SOUTH-EASTERN MCD	44220	58216	68032	73269
STATE OF UTAH	1210547	1500295	1752496	1939986

EMPLOYMENT:

	1975	1980	1985	1990
BEAR RIVER MCD	33121	41757	49680	56744
WASATCH FRONT MCD	324172	411881	488749	552911
MOUNTAIN LANDS MCD	65808	84590	104444	121784
CENTRAL MCD	17469	19864	21820	24799
SOUTH-WESTERN MCD	17644	32823	38830	43866
UINTAH BASIN MCD	14819	16175	16559	16406
SOUTH-EASTERN MCD	17044	23902	28127	30511
STATE OF UTAH	490077	630992	748211	847021

OCCUPIED DWELLING UNITS:

	1975	1980	1985	1990
BEAR RIVER MCD	23678	29763	35845	40851
WASATCH FRONT MCD	232105	294914	357920	408752
MOUNTAIN LANDS MCD	45023	58363	73366	85680
CENTRAL MCD	13468	15343	16951	18891
SOUTH-WESTERN MCD	13286	23588	28956	32857
UINTAH BASIN MCD	9983	11515	12148	12278
SOUTH-EASTERN MCD	13043	17756	21434	23630
STATE OF UTAH	358084	461264	558427	635975

PUBLIC SCHOOL AGE POPULATION (5-17):

	1975	1980	1985	1990
BEAR RIVER MCD	22076	25476	29657	32646
WASATCH FRONT MCD	207284	235316	266131	290309
MOUNTAIN LANDS MCD	46194	58956	72407	79733
CENTRAL MCD	10144	9803	11248	13230
SOUTH-WESTERN MCD	11169	17826	20830	24629
UINTAH BASIN MCD	9513	8618	9256	9413
SOUTH-EASTERN MCD	11719	13370	15274	17095
STATE OF UTAH	318099	369365	424803	467105

MIGRATION:

	1975	1980	1985	1990
BEAR RIVER MCD	5761	11197	9100	5296
WASATCH FRONT MCD	11476	109454	89942	52270
MOUNTAIN LANDS MCD	9670	27496	26657	13755
CENTRAL MCD	6126	1656	1907	3968
SOUTH-WESTERN MCD	6916	28639	7018	3801
UINTAH BASIN MCD	13489	-597	-2206	-2699
SOUTH-EASTERN MCD	5169	10926	5535	1241
STATE OF UTAH	58608	188772	137953	77631

ALTERNATIVE FUTURE SEVEN

STATEWIDE EVENTS:
manufacturing
wholesale trade

KEY:

Annual Percent Population Change

0-2.5

2.5-5.0

5.0-10.0

Increase



Decrease

0-2.1

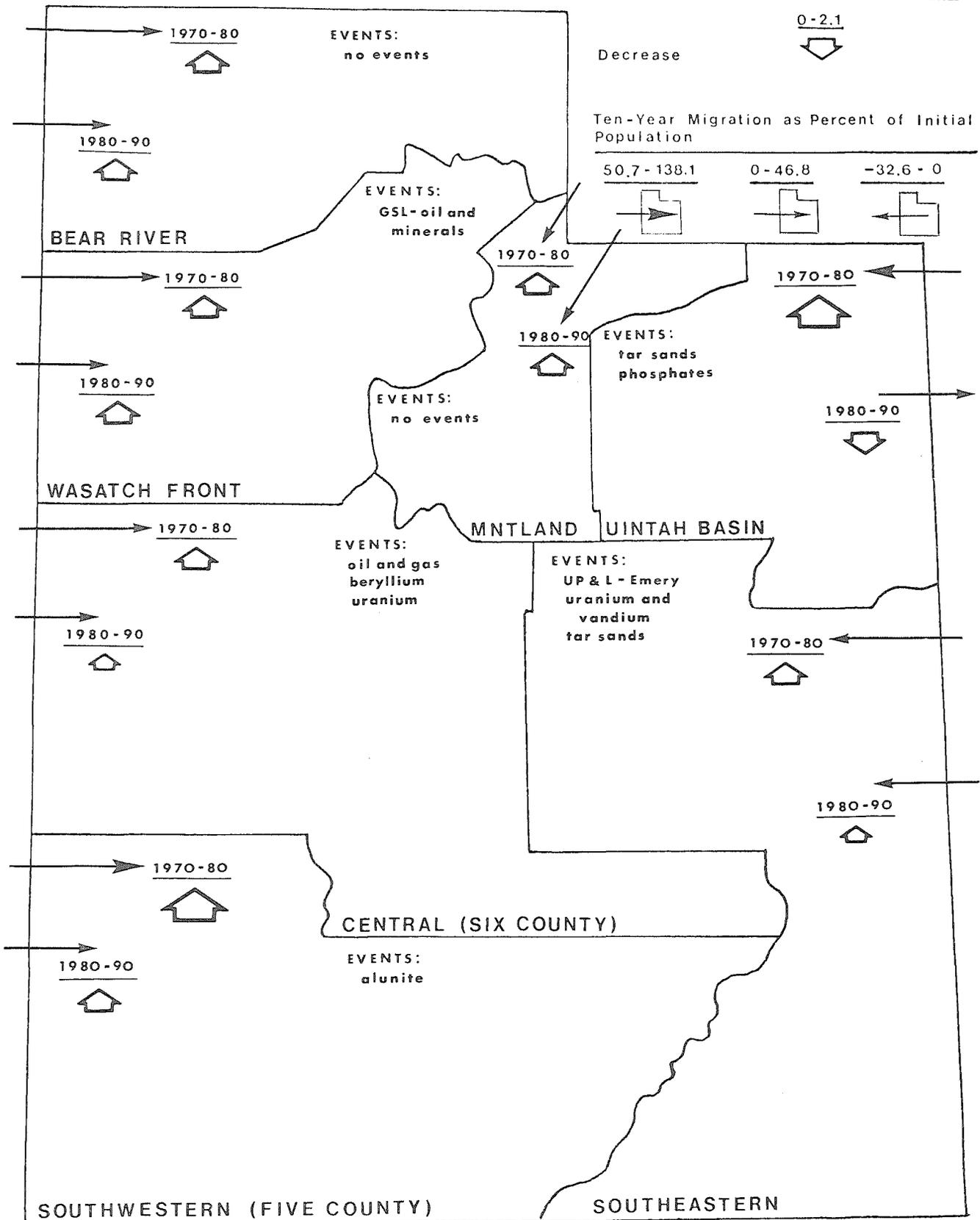
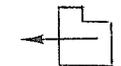
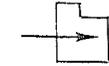


Ten-Year Migration as Percent of Initial Population

50.7-138.1

0-46.8

-32.6-0



SUMMARY OF PROJECTIONS

ALTERNATIVE FUTURE: EIGHT

POPULATION:

	1975	1980	1985	1990
BEAR RIVER MCD	84279	99521	110518	120610
WASATCH FRONT MCD	784210	915187	1007394	1075559
MOUNTAIN LANDS MCD	177377	218972	258938	285103
CENTRAL MCD	42532	43789	45527	48633
SOUTH-WESTERN MCD	45082	55571	67306	77669
UINTAH BASIN MCD	35632	46375	45974	44059
SOUTH-EASTERN MCD	49550	64937	73156	79258
STATE OF UTAH	1218663	1444352	1608813	1730941

EMPLOYMENT:

	1975	1980	1985	1990
BEAR RIVER MCD	33153	40386	45718	51530
WASATCH FRONT MCD	325262	394078	440556	481130
MOUNTAIN LANDS MCD	65868	82676	99639	113475
CENTRAL MCD	17489	18556	19418	21152
SOUTH-WESTERN MCD	17744	22674	27728	32724
UINTAH BASIN MCD	14888	19302	19606	19005
SOUTH-EASTERN MCD	19313	26711	30179	32974
STATE OF UTAH	493617	604882	682845	751991

OCCUPIED DWELLING UNITS:

	1975	1980	1985	1990
BEAR RIVER MCD	23693	28378	33179	37259
WASATCH FRONT MCD	232724	283587	325394	359092
MOUNTAIN LANDS MCD	45062	57123	70081	79887
CENTRAL MCD	13480	14527	15381	16498
SOUTH-WESTERN MCD	13349	17151	21266	25027
UINTAH BASIN MCD	10025	13810	14278	14097
SOUTH-EASTERN MCD	14472	19690	22975	25436
STATE OF UTAH	360431	444520	513651	569347

PUBLIC SCHOOL AGE POPULATION (5-17):

	1975	1980	1985	1990
BEAR RIVER MCD	22094	24732	27534	29910
WASATCH FRONT MCD	207796	226260	241890	253403
MOUNTAIN LANDS MCD	46228	57872	69763	74932
CENTRAL MCD	10155	9188	10106	11339
SOUTH-WESTERN MCD	11224	12515	15765	18633
UINTAH BASIN MCD	9550	10495	10687	11000
SOUTH-EASTERN MCD	12994	14699	16529	18894
STATE OF UTAH	320040	355761	392274	418111

MIGRATION:

	1975	1980	1985	1990
BEAR RIVER MCD	5835	7983	3540	3466
WASATCH FRONT MCD	13617	69133	28072	11426
MOUNTAIN LANDS MCD	9815	22772	20314	6590
CENTRAL MCD	6171	-1197	-231	1714
SOUTH-WESTERN MCD	7142	5975	7179	6102
UINTAH BASIN MCD	13643	7285	-4209	-4304
SOUTH-EASTERN MCD	10500	11467	3234	1874
STATE OF UTAH	66724	123418	57898	26868

ALTERNATIVE FUTURE EIGHT

STATEWIDE EVENTS:
no events

KEY:

Annual Percent Population Change

0-2.5

2.5-5.0

5.0-10.0

Increase



Decrease

0-2.1

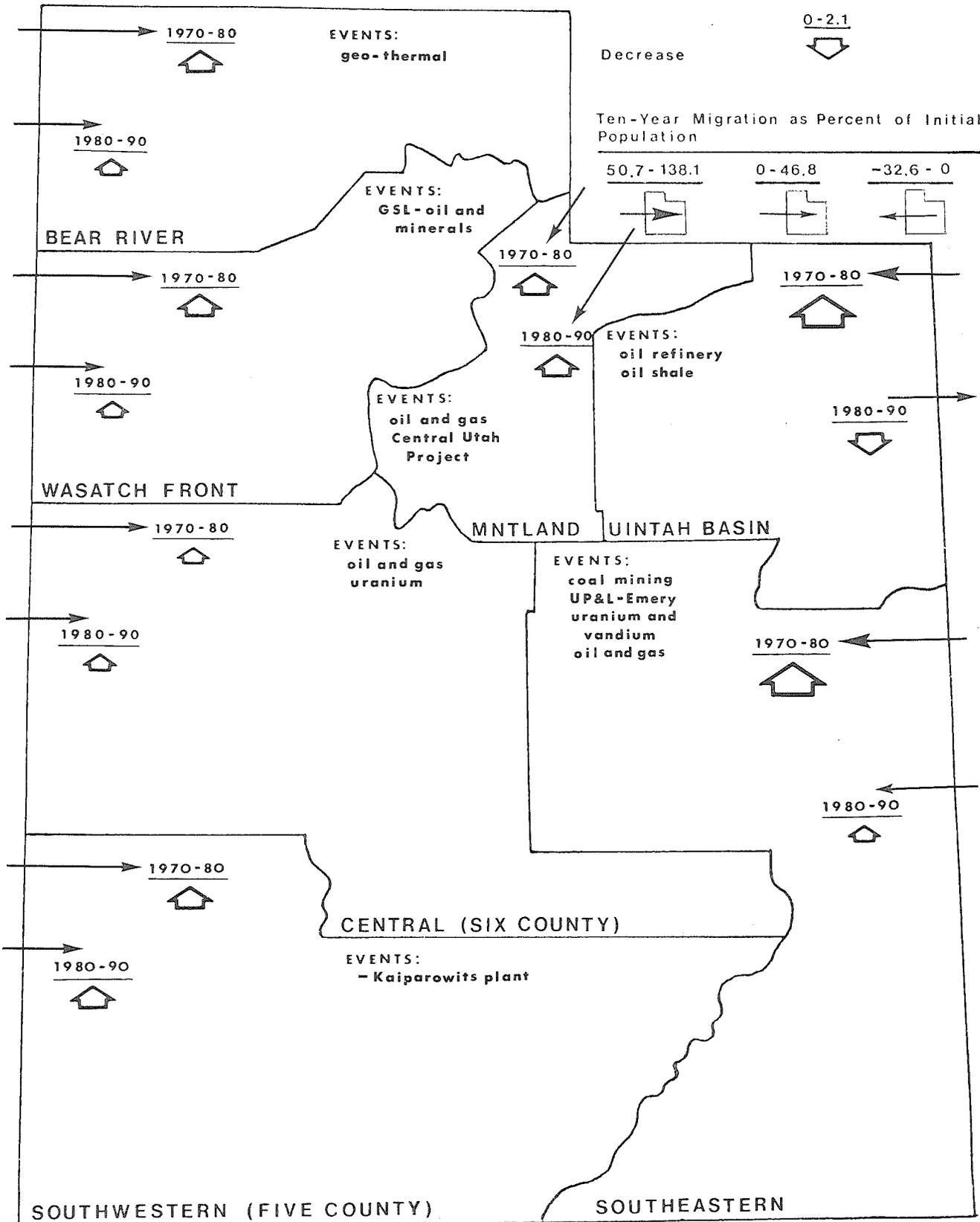


Ten-Year Migration as Percent of Initial Population

50.7-138.1

0-46.8

-32.6-0



("-" implies reduction or elimination)

S U M M A R Y O F P R O J E C T I O N S

ALTERNATIVE FUTURE: NINE

POPULATION:

	1975	1980	1985	1990
BEAR RIVER MCD	84170	98206	109367	119443
WASATCH FRONT MCD . . .	780911	849060	910949	973630
MOUNTAIN LANDS MCD . . .	177151	195976	229147	253457
CENTRAL MCD	42453	43166	44155	47251
SOUTH-WESTERN MCD	44802	54902	65487	75608
UINTAH BASIN MCD	35434	36974	35816	33991
SOUTH-EASTERN MCD	41757	50836	54411	57130
STATE OF UTAH	1206678	1329139	1449332	1560510

EMPLOYMENT:

	1975	1980	1985	1990
BEAR RIVER MCD	33106	39812	45219	51018
WASATCH FRONT MCD	323636	363163	396639	434478
MOUNTAIN LANDS MCD	65775	73026	87203	100133
CENTRAL MCD	17454	18266	18796	20517
SOUTH-WESTERN MCD	17621	22373	26924	31812
UINTAH BASIN MCD	14799	15544	15182	14617
SOUTH-EASTERN MCD	15996	20727	22339	23845
STATE OF UTAH	488386	552919	612301	676220

OCCUPIED DWELLING UNITS:

	1975	1980	1985	1990
BEAR RIVER MCD	23669	28506	32830	36899
WASATCH FRONT MCD	231770	263750	295026	326055
MOUNTAIN LANDS MCD	45002	50852	61379	70310
CENTRAL MCD	13459	14334	14952	16035
SOUTH-WESTERN MCD	13272	16957	20728	24391
UINTAH BASIN MCD	9971	11110	11213	11028
SOUTH-EASTERN MCD	12384	15673	17445	18721
STATE OF UTAH	356965	409846	463372	514197

PUBLIC SCHOOL AGE POPULATION (5-17):

	1975	1980	1985	1990
BEAR RIVER MCD	22066	24427	27312	29613
WASATCH FRONT MCD	287007	210782	221036	229413
MOUNTAIN LANDS MCD	46174	52442	63541	67418
CENTRAL MCD	10136	9066	9827	11025
SOUTH-WESTERN MCD	11156	12371	15324	18154
UINTAH BASIN MCD	9503	8351	8626	8501
SOUTH-EASTERN MCD	11130	11744	12088	13214
STATE OF UTAH	317173	329183	357804	377343

MIGRATION:

	1975	1980	1985	1990
BEAR RIVER MCD	5726	6795	3874	3539
WASATCH FRONT MCD	10318	6851	6381	14727
MOUNTAIN LANDS MCD	9589	38	16560	7405
CENTRAL MCD	6092	-1729	-903	1776
SOUTH-WESTERN MCD	6862	5630	6108	6034
UINTAH BASIN MCD	13444	-1886	-3701	-3371
SOUTH-EASTERN MCD	2706	6403	187	-45
STATE OF UTAH	54738	22103	28506	30064

ALTERNATIVE FUTURE NINE

STATEWIDE EVENTS:
no events

KEY:

Annual Percent Population Change

0-2.5

2.5-5.0

5.0-10.0

Increase



Decrease

0-2.1

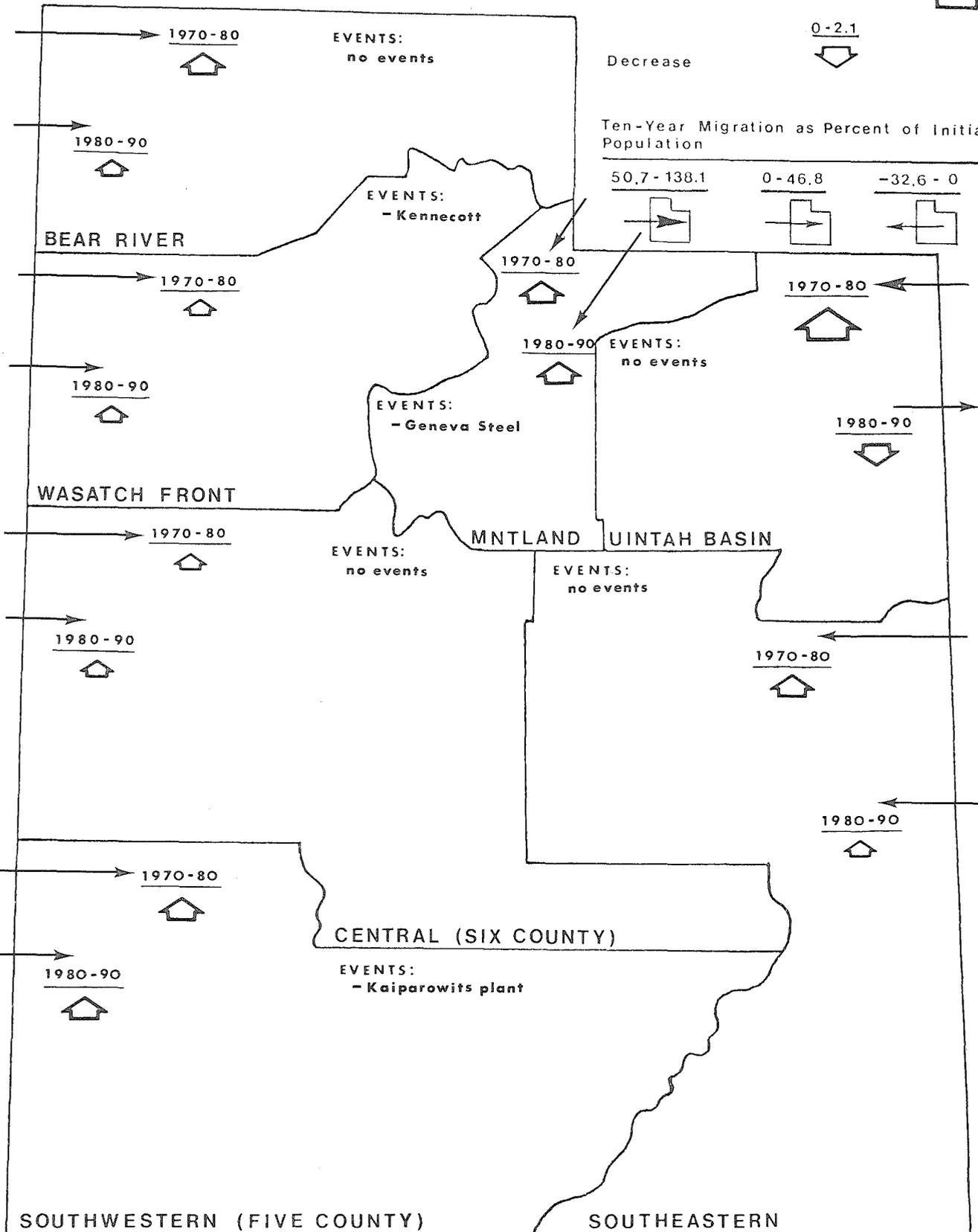
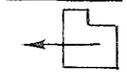


Ten-Year Migration as Percent of Initial Population

50.7-138.1

0-46.8

-32.6-0



("-" implies reduction or elimination)

S U M M A R Y O F P R O J E C T I O N S

ALTERNATIVE FUTURE: TEN

POPULATION:

	1975	1980	1985	1990
BEAR RIVER MCD	86392	108853	126680	140357
WASATCH FRONT MCD	859104	1172245	1403595	1568183
MOUNTAIN LANDS MCD	186823	245402	301871	347122
CENTRAL MCD	45728	63873	64631	71141
SOUTH-WESTERN MCD	50024	91884	124226	136634
UINTAH BASIN MCD	37258	53440	52542	51269
SOUTH-EASTERN MCD	52160	72076	83743	92831
STATE OF UTAH	1317490	1807774	2157287	2407537

EMPLOYMENT:

	1975	1980	1985	1990
BEAR RIVER MCD	34064	44443	52716	60179
WASATCH FRONT MCD	359820	512557	620011	705655
MOUNTAIN LANDS MCD	69764	93642	117405	139363
CENTRAL MCD	18920	27769	27862	31263
SOUTH-WESTERN MCD	19912	38993	52814	58336
UINTAH BASIN MCD	15613	22933	22393	22131
SOUTH-EASTERN MCD	20424	29776	34651	38734
STATE OF UTAH	538516	770114	927852	1056162

OCCUPIED DWELLING UNITS:

	1975	1980	1985	1990
BEAR RIVER MCD	24275	31532	37949	43262
WASATCH FRONT MCD	254380	361158	449357	516809
MOUNTAIN LANDS MCD	47544	64430	82444	98196
CENTRAL MCD	14326	20131	20996	23205
SOUTH-WESTERN MCD	14719	27618	38367	43329
UINTAH BASIN MCD	10468	15821	16225	16276
SOUTH-EASTERN MCD	15171	21708	26097	29539
STATE OF UTAH	389007	554183	685238	786037

PUBLIC SCHOOL AGE POPULATION (5-17):

	1975	1980	1985	1990
BEAR RIVER MCD	22599	26837	31227	34664
WASATCH FRONT MCD	225708	283408	332264	374472
MOUNTAIN LANDS MCD	48488	63662	79728	90420
CENTRAL MCD	10919	13733	14133	17182
SOUTH-WESTERN MCD	12405	20864	28401	32500
UINTAH BASIN MCD	9939	12086	12120	12897
SOUTH-EASTERN MCD	13618	16260	18968	22281
STATE OF UTAH	343677	436850	516842	584415

MIGRATION:

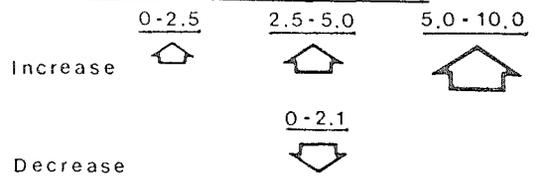
	1975	1980	1985	1990
BEAR RIVER MCD	7948	14866	9206	5578
WASATCH FRONT MCD	88511	239346	135761	73186
MOUNTAIN LANDS MCD	19261	38249	33644	21922
CENTRAL MCD	9367	15180	-3757	3612
SOUTH-WESTERN MCD	12084	36558	23144	2980
UINTAH BASIN MCD	15269	12465	-5535	-4130
SOUTH-EASTERN MCD	13110	15580	5827	3959
STATE OF UTAH	165550	372243	198240	107107

ALTERNATIVE FUTURE TEN

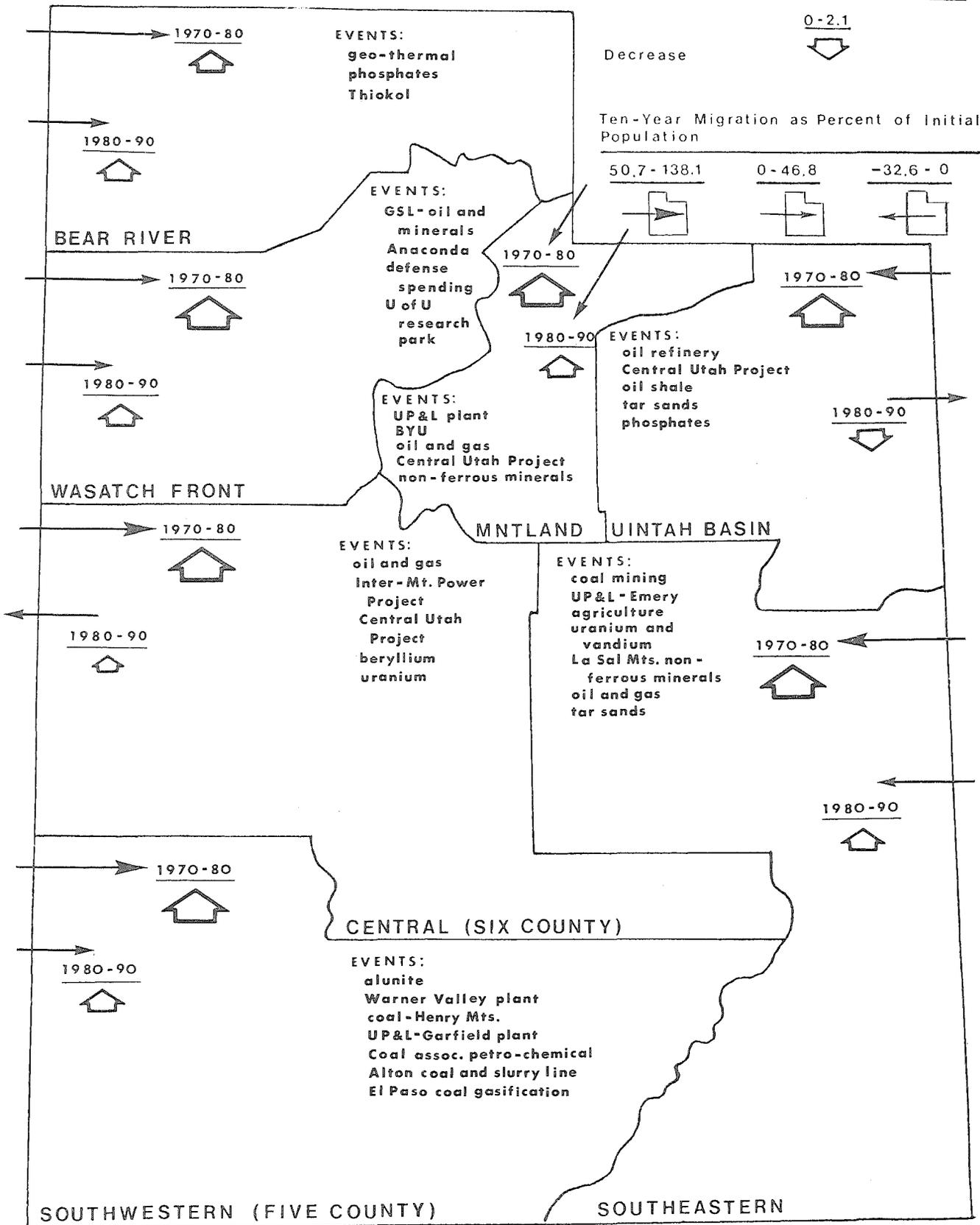
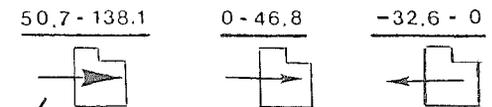
STATEWIDE EVENTS:
 manufacturing
 recreation & tourism
 wholesale trade

KEY:

Annual Percent Population Change



Ten-Year Migration as Percent of Initial Population



CHAPTER IV. THE PLANNING COORDINATION STRUCTURE

Since planning is essential to provide decision-makers with information on possible courses of future action, it is also essential that decisions affecting future investments in governmental goods and services be accomplished in a coordinated, consistent and efficient manner. Therefore, the Utah Process recognizes (1) that decision-makers must be involved in the planning process, (2) that the state's future cannot be predicted exactly, so an Alternative Futures approach should be made the basis of agency planning procedures, and (3) that a planning coordination procedure is required and must be developed within the existing organizational framework of state government. These factors have determined the nature of the planning coordination structure which has been established under the Utah Process for Utah State government. The coordination structure consists of state-level interdepartmental, and intradepartmental groupings of state agency planners and decision makers. The structure of these groups is shown in *Figure 2*.

Intradepartmental Groups

The intradepartmental group consists of the directors of a department and its divisions. It is a working assumption that groups at the intradepartmental level should be in an ideal position to assess changes in needs and to formulate programs in response to change. It is at the agency level that functional planning occurs, a planning effort which naturally results in an attempt to express agency demands for state funds in budgetary terms. Because they would anticipate needs and cost far beyond the one-year budget cycle, such plans could do much to rationalize one-year budget requests. And the close interaction of agency heads and planners should result in a more effective decision-making process.

Interdepartmental Groups

Interdepartmental groups have been organized along lines suggested by the interrelationships and

interdependencies which exist among the activities of different agencies. The interdepartmental aspect of the planning structure brings together decision-making and planning officials of different agencies to work together, within a formal structure, on problems related to *comprehensive planning* for delivery of governmental services. Once the procedure is fully operational, agencies will be able to plan, program, and budget for activities comprehensively, by accounting in the planning process for the consequences of their activities on other agencies (and vice versa) of their activities.

The State Planning Advisory Committee

The State Planning Advisory Committee (SPAC), composed of department directors, the budget director, and the State Planning Coordinator, and staffed by departmental planners, constitutes the highest level in the planning structure. As shown in *Figure 3*, the SPAC now consists of 15 members. The SPAC serves as the state clearinghouse for review of applications for federal funds and of environmental impact statements. The committee also reviews proposed state legislation. A most important committee function involves development of a unified state policy regarding (1) federal legislation, policies and regulations; (2) proposed federal programs, guidelines and regulations; and (3) resolution of program conflict among state agencies. Although this group is more concerned with matters of policy than with assessment of needs, it exists to help ensure the careful integration of policy with needs assessment and program design.

The Governor's Advisory Council on Local Affairs

The purpose of the Governor's Advisory Council on Local Affairs (GACLA) is to serve as a vehicle for local involvement in the state government planning administration process. The Governor and the legislature rely on the GACLA

Figure 2

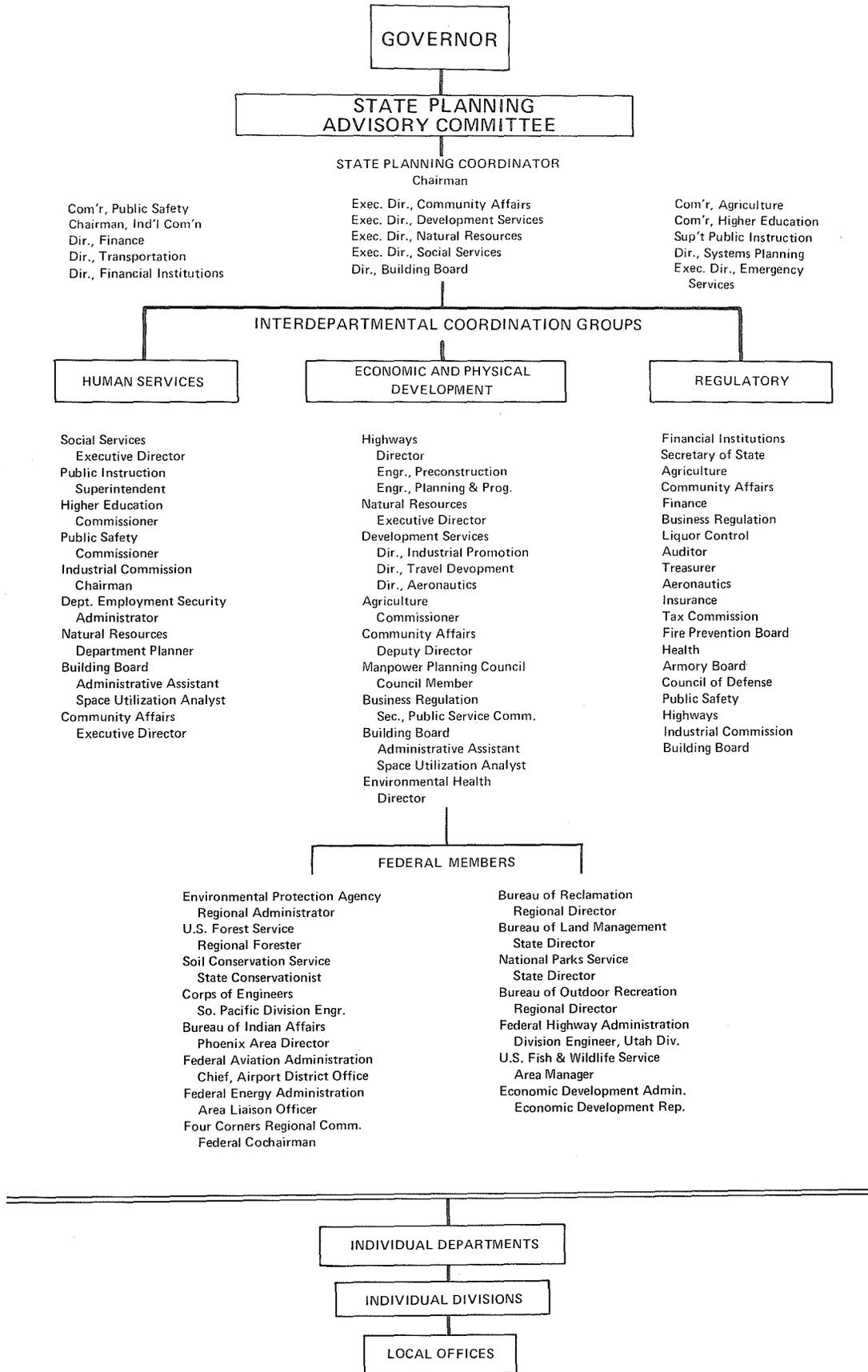


Figure 3



for advice and counsel regarding local problems with particular emphasis on those problems related to the effect of state and federal policy on units of local government.

The Governor's Advisory Council on Local Affairs is composed of a county and a city representative from each of the multi-county associations of government, the executive officers of the Utah League of Cities and Towns, and the Utah Association of Counties. To compensate for the disproportionate concentration of population, the areas of the Wasatch Front Regional Council and the Mountainland Association have been allowed additional representation. The Department of Community Affairs (DCA) acts as staff to the GACLA, and its director serves as a special assistant to the Governor. The structure of the GACLA is illustrated in *Figure 4*.

The Structure

In short, the purpose of the planning structure is to make possible a two-way communication process (from the policy level downward and from the needs assessment level upward) involving planners and decision-makers at all levels of decision-making authority. Since poor communication blocks effective governmental decision-making, the creation of this planning structure should enhance the decision-making process. As mentioned, a key objective of the structure is the identification of potential conflicts among agencies at the earliest stage of planning when bringing such matters to light will do the most good, rather than attempting

to identify problems through a review process after a project has been planned and is ready for implementation.

Moreover, the state government structure directly parallels a similar system for units of local government: counties, cities and towns, and school districts combine to form county councils of government (COGs). Representatives of COGs form their respective multi-county Associations of Governments (AOGs) which are represented by city and county officials on the Governor's Advisory Council on Local Affairs.

Thus, the Governor has two statewide advisory bodies, the State and Planning Advisory Committee and the Governor's Advisory Council on Local Affairs, which are linked at the local level by state and federal agency representatives who participate in local AOG advisory committees. Other advisory committees include private citizens and in some cases comprise rural development committees and the like. This structure is shown by *Figure 5*.

The Governor has designated the State Planning Advisory Committee and the multi-county associations of governments as state and area clearinghouses for all review functions established by Office of Management and Budget Circulars A-85, A-95, and A-102. And the fact that there are in existence state and local government planning structures which can be used in this to create new possibilities for true intergovernmental coordination.

Figure 4
 Governor's Advisory
 Council on Local Affairs
 STRUCTURE FOR PLANNING COORDINATION
 STATE OF UTAH

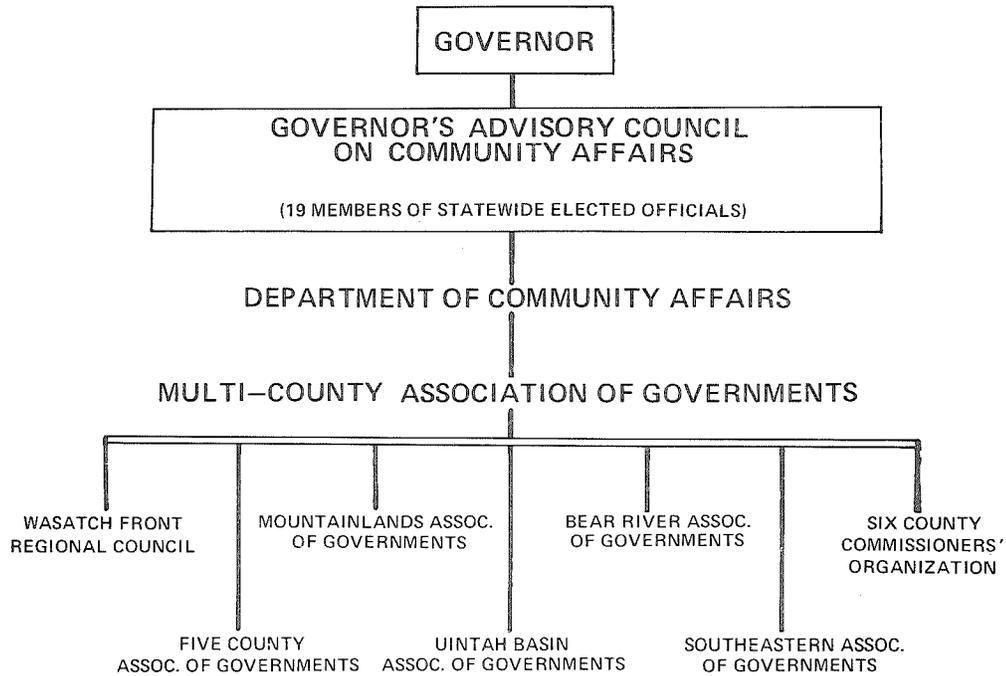
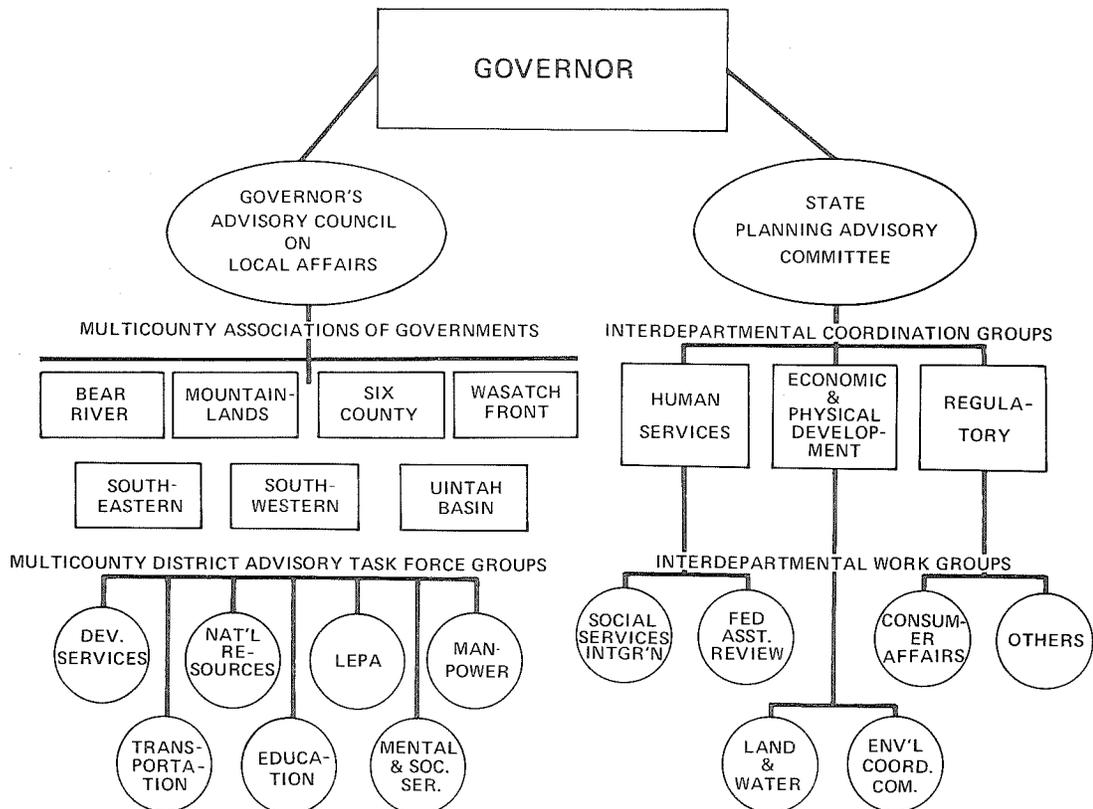


Figure 5
 GACLA & SPAC Functional Operations



CHAPTER V: CONCLUSION

New Activities

The continuing success of the Utah Process depends, to a great extent, on the utilization of the data and information provided by the Alternative Futures. The future emphasis of the Process staff of the Office of the State Planning Coordinator will be directed toward the implementation of the Alternative Futures in planning and contingency budgeting at the state, regional and local levels of government.

The State's Federal Assistance Application Notification and Review System will become an integral part of the Process to encourage the use of the Alternative Futures by planners, program administrators, and elected officials. The State Planning Coordinator's Office, designated as the State Clearinghouse for A-95 funds, will review applications submitted in accordance with the requirements of the State's Federal Assistance Management Program Act of 1969 and the Office of Management and Budget's (OMB) Circular A-95. Clearinghouse responses that are generated by this coordination system will include comments about the integration of proposed projects with the Alternative Futures. Areawide clearinghouses in each of the state's seven multi-county planning districts will also be encouraged to comment on the relevancy of proposed projects to the Alternative Futures.

Training in the use of the Alternative Futures will not only be provided to those individuals involved in planning and budgeting but also to individuals and groups involved in coordination systems. This training will be provided through formal training programs and through the provision of technical assistance to individuals.

Federal, state and local agencies will be encouraged to submit to the State Clearinghouse and all appropriate areawide clearinghouses, plans and environmental information on proposed projects and actions not covered by either OMB Circular A-95 or the State's Federal Assistance Management Act so that comments can be made on their relationship to the Alternative Futures.

A Continuing Effort

It is appropriate to note that the problems of decision-making in state government are indeed complex, for these problems arise on many different levels. Some, such as the need for better data, can be handled by technicians. Some, such as the framework for facilitating the coordinated planning effort, can be handled by "comprehensive" planners. But some must reside permanently in the domain of the elected official because they are matters of value judgment and, hence, of the pressures to which the elected official is subjected.

The staff members of the Utah Process, as this report attempts to make clear, have been forced by the nature of their work and the inescapable quality of the questions posed, to deal with each of these levels of problems. The final report has presented a framework through which coordinated planning can be achieved. Although the project itself is essentially complete, implementation of the Process in the various levels of government within the state must be a continuing effort. This project, the Utah Process, is to be continued. The constructive suggestions of all interested persons are needed and will be welcomed by the Staff.

