

**Actions the Administration May Wish to  
Consider**

*in*

**Implementing a Conservation Strategy**

*for the*

**Northern Spotted Owl**

*May 1, 1990*

USDA Forest Service  
USDI Bureau of Land Management

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# **Executive Summary**

## EXECUTIVE SUMMARY

If the Interagency Scientific Committee's recommended strategy for protection of northern spotted owls is adopted, the Federal timber harvest in northern California and western Washington and Oregon will be reduced considerably. There will be large regional and local economic impacts on employment and Federal revenue paid to counties. These economic effects will not be limited to rural areas; they will also extend into urban communities.

The Administration may wish to take some actions to offset some of these economic impacts. Critical to the success of any effort to mitigate impacts on affected communities are the communities themselves. The underlying intent of the mitigating actions, therefore, should be to empower the communities to forge their own viable economies. Our list of possible actions is not all-inclusive, but represents proposals that appear to offer some opportunities to reduce community and regional impacts. Many of the proposed actions are within existing agency authority. Others would require Congressional action to provide legislative authorization and/or adequate funding. A few could be implemented with a change in agency policy and/or a reallocation of existing funds. All would require the cooperation of Federal, State, and local governments working together in active problem solving partnerships.

There are many actions the Administration might wish to take to reduce the unemployment created by a reduction in the Federal timber harvest. From the standpoint of workers in timber processing plants, one of the most attractive alternatives would be to reduce log exports. In the State of Washington, where large quantities of logs are currently being exported from State land, many jobs would be preserved by a ban on log exports. Benefits would be considerably smaller in Oregon and northern California, and all the effects of a ban would not be positive. Other Federal actions to reduce unemployment would not create jobs of the kind that potential displaced workers now have. Major emphasis, therefore, would have to be on attracting new kinds of industries to impacted communities, and on training displaced workers for these new industries.

Actions the Administration may wish to consider are grouped into eight general categories:

### TRADE POLICY

**Ban export of softwood logs from all public land in WA., OR, and CA.**

*Requires: Executive action or Congressional direction*

**Ban export of softwood logs from all land west of 100th meridian**

*Requires: Executive action or Congressional direction*

### COMMUNITY OUTREACH

**Retrain dislocated workers**

*Requires: Authorization of discretionary funds by Secretary of Labor*

**Educate and provide skills to prevent unemployment**

*Requires:* Authorization of discretionary funds by Secretary of Labor

**Extend unemployment benefits**

*Requires:* Legislation to authorize extension of benefits beyond current authorization limit

**Ensure timely employment services**

*Requires:* Authorization of discretionary funds by Secretary of Labor and Congressional approval for designation of depressed areas as 'Labor Surplus Areas' by Forest Service

**Designate local federal administrative sites as Community Assistance Centers**

*Requires:* Expansion of present staff duties to include providing federal assistance information to community

**EDUCATION**

**Direct vocational education "formula" funding to affected communities**

*Requires:* Congressional direction in Vocational Education Reauthorization Bill

**Establish Community Education Employment Centers in distressed communities**

*Requires:* Inclusion of Section 362 S1109 in Vocational Education Reauthorization Bill and passage of bill with specific Congressional direction

**Establish Demonstration Centers for the Retraining of Dislocated Workers**

*Requires:* Congressional action

**Establish National Workplace Literacy Program in affected communities**

*Requires:* No additional action

**Direct Building Our American Communities (BOAC) to affected communities**

*Requires:* Special emphasis on affected communities

**FAMILY SUPPORT**

**Utilize family support programs**

*Requires:* No additional authority

**LOANS AND GRANTS**

**Provide economic development grants and loans to distressed communities**

*Requires:* Congressional action in Appropriation Bills or Executive direction to designate funds specifically for use in affected communities.

**Provide technical assistance to affected communities**

*Requires:* Additional funding

## **REVENUE SHARING**

**Raise National Forest tax equivalency payments to affected counties from 25% to 50%**

*Requires:* Congressional action to amend Act of May 23, 1908 (16 U.S.C. 500)

## **PUBLIC WORKS**

**Build or purchase to replace Federal leased space**

*Requires:* Change in Forest Service and BLM agency policy, additional funds, and Congressional modification of existing Federal procurement regulations

**Provide building maintenance trade skills training on Federal administrative facilities**

*Requires:* Congressional modification of existing Federal procurement regulations

## **LAND STEWARDSHIP**

**Construct recreation facilities and maintain and reconstruct trails**

*Requires:* No new authority; additional funding

**Enhance recreational and commercial fisheries**

*Requires:* No new authority; additional funding

**Accelerate resource information gathering, especially relative to spotted owl**

*Requires:* No new authority; additional funding

**Increase timber presale work**

*Requires:* No new authority; additional funding

**Reclaim existing roads in Habitat Conservation Areas (HCA's)**

*Requires:* Congressional action to modify existing Federal procurement regulations; additional funding

# Introduction

## INTRODUCTION

IN 1988, the Forest Service in the U.S. Department of Agriculture and the Bureau of Land Management, the National Park Service, and the Fish and Wildlife Service in the Department of the Interior established an Interagency Scientific Committee to address the conservation of the northern spotted owl. After many months of data gathering and analysis, that Committee released a report entitled "A Conservation Strategy for the Northern Spotted Owl" on April 3, 1990.

The strategy proposed by the Committee calls for establishment of spotted owl habitat conservation areas of considerable size in areas of old-growth timber. The strategy has been analyzed by the Bureau of Land Management and the Forest Service to determine its economic effects in the Pacific Northwest. The estimated effects of the projected decline in the Federal timber harvest in northern California and western Washington and Oregon are presented in some detail in a separate report. The largest impacts would be:

- o A loss of approximately 25,000 jobs in the three States. About half of this loss would be offset by increased timber harvesting on private land in the short term, but by the year 2000 employment effects would be even greater because the increased private harvest cannot be sustained.
- o \$148 million annual decline in Federal revenue from timber sales by 1995, and \$229 million annual decline by 2000.
- o About \$74 million annual decline in payments to counties from Federal timber sale revenues in 1995, growing to \$95 million by 2000.

Obviously, these estimated impacts are considerable. The Secretaries of Agriculture and the Interior, through the Chief of the Forest Service and the Director of the Bureau of Land Management, formed a working group to assemble programs or actions the Administration might wish to consider if the recommendations of the Interagency Scientific Committee are adopted. The efforts of that working group are described in this report.

When the working group was formed, it was envisioned that representatives from the Departments of Commerce, Labor, and Education would designate individuals to join the effort. This did not occur, so members of the working group initiated contacts with the various Departments and Agencies. The information provided in this report was developed through interviews with representatives in the Departments of Commerce, Labor, Education, Housing and Urban Development, and Health and Human Services, Agencies in the Departments of Agriculture and the Interior, and contacts with the General Accounting Office and the State Service Organization.

The economic effects of a large reduction in the Federal timber harvest in the Pacific Northwest will not be limited to rural areas; they will also extend into urban areas. Regardless of what existing programs are utilized or new authorities sought, the local communities are the keys to successfully implementing actions to rebuild viable economies. Even with effective community action, however, strong economic bases will be needed to build upon.

There are at least two types of actions needed to offset the adverse economic impacts: (1) short-term measures to relieve immediate hardships, and (2) long-term measures to develop a strong economic base. There are existing programs that can assist in both the

short and the long term. Most of these are administered through the respective States. The Administration may also wish to seek some new authorities.

This report lists and very briefly evaluates some of the programs or actions that might be considered to meet some of the adverse impacts of a reduced Federal timber cut. The list is not all-inclusive, but represents actions that appear to offer some promise. Possible actions are placed in eight general categories: trade policy, community outreach, education outreach, family support, loans and grants, revenue sharing, public works, and land stewardship. Some possible delivery mechanisms and some additional options are also discussed.

This report was prepared by the Forest Service, USDA, and the Bureau of Land Management, USDI. The following people provided leadership in completing the report:

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## **Actions the Administration May Wish to Consider**

## TRADE POLICY

**Title of Program or Action:** Ban export of softwood logs from all public land in Washington, Oregon, and California.

### *Description*

The export of softwood logs from Federal land west of the 100th meridian is currently prohibited by language in the Interior and Related Agencies budget for FY 1990. Similar language has been in the budget each year starting in 1974. This situation evolved from an action taken by the Secretaries of Agriculture and Interior on April 16, 1968, to limit the volume of timber that could be exported to 350 million board feet. This limit was legislated as the "Morse Amendment" in effect from January 1, 1969, to December 31, 1973. Exceptions to the current restriction are Alaska yellow cedar and Port-Orford cedar. Other exceptions are allowed if the Secretary of Agriculture finds species to be surplus to domestic needs. In addition, the export of western red cedar is prohibited from all public lands.

### *Action Required*

The proposed action would extend the current restriction to all public land in Washington, Oregon, and California.

**Existing authority** -- Under the terms of the Export Administration Act, 50 U.S.C. App. ss 2401 et seq, the Executive Branch may impose controls on the export of specific commodities after full consideration of the impact on the economy of the United States, to protect the domestic economy from excessive drain of scarce materials, and to reduce the serious inflationary impact of foreign demand. This authority has been used to control exports of black walnut (1964), soybeans (1973), western red cedar (1979), and grain (1980). A full range of options for control is feasible, ranging from partial controls to a complete ban. The Department of Commerce is currently considering a petition (filed under Sections 7 and 3(2)(C) of the Export Administration Act of 1979) to ban all exports from public lands in Washington and Oregon. A decision on the petition is expected in late summer, 1990, but there is no mandatory decision date.

**New authority** -- Congress may legislate export controls, as evidenced by the ban on exports from Federal lands west of the 100th meridian. Over the past 20 years, there have been numerous proposals to restrict exports through legislation.

**Budget requirements** -- The primary budget requirements for export controls would be for monitoring the controls. Monitoring would be done by the Department of Commerce with concurrence of the Department of Agriculture because logs are classed as an agricultural commodity. In the past, no compensation has been paid to those adversely affected by export controls.

### *Effects*

**Timber supply** -- In recent years, softwood log export volume from Washington, Oregon, and California has amounted to some 3.8 billion board feet. A ban on exports from public land in Washington and Oregon would affect an estimated 500 million board feet. Most of this volume originates on State land in Washington. A portion of this volume would be processed into lumber for export, a portion would be processed into lumber for domestic use and would substitute for production from the South and Canada, and a portion would not be harvested because of lower prices for stumpage.

Initially, the ban would decrease stumpage prices by as much as 7 percent. As new capacity comes on line, stumpage prices would recover somewhat and be about equal to stumpage prices following implementation of the Interagency Scientific Committee's recommendations. The States of Washington and Oregon would lose revenue from timber sales. The State of Washington Department of Natural Resources estimates its loss at over \$100 million per year. This loss in revenue to the State of Washington would affect payments for schools and revenues used to manage State forest land. Prices for logs from private land available for the export market would increase somewhat.

The ban on exports would have a marginal effect on imports of softwood lumber from Canada, reducing them about 200 million board feet in 1995. The U.S. balance of trade through reduced imports would improve by about \$40 million. Elimination of exports from public lands in Washington and Oregon would cause a reduction in export value on the order of \$225 million. Depending on the volume and value of lumber exports, some of this sales loss would be offset by additional lumber sales.

**Jobs** – The proposed ban would force a restructuring of the timber industries in Washington. Jobs associated with log processing and lumber exporting would increase, while jobs associated with log exporting would decrease. It is assumed that new processing capacity would be phased in over a 5-year period. If all the logs were processed domestically, approximately 2,000 additional jobs would be created in the lumber and wood products industries (assumes 4 additional jobs per million board feet for processing as compared with export). There would be a loss of some jobs because of lower stumpage prices and less forest management activity. Creation of some jobs would require new capacity as some of the State of Washington timber is located far from existing capacity.

**Title of Program or Action:** Ban export of softwood logs from all land west of the 100th meridian in the contiguous States.

#### **Description**

The export of softwood logs from Federal land west of the 100th meridian is currently prohibited by language in the Interior and Related Agencies budget for FY 1990. Similar language has been in the budget each year starting in 1974. This situation evolved from an action taken by the Secretaries of Agriculture and Interior on April 16, 1968, to limit the volume of timber that could be exported to 350 million board feet. This limit was legislated as the "Morse Amendment" in effect from January 1, 1969, to December 31, 1973. Exceptions to the current restriction are Alaska yellow cedar and Port-Orford cedar. Other exceptions are allowed if the Secretary of Agriculture finds species to be surplus to domestic needs. In addition, the export of western red cedar is prohibited from all public lands.

#### **Action Required**

The proposed action would extend the current restriction to all ownerships.

**Existing authority** -- Under the terms of the Export Administration Act, 50 U.S.C. App. ss 2401 et seq, the Executive Branch may impose controls on the export of specific commodities after full consideration of the impact on the economy of the United States, to protect the domestic economy from excessive drain of scarce materials, and to reduce the serious inflationary impact of foreign demand. This authority has been used to control exports of black walnut (1964), soybeans (1973), western red cedar (1979), and grain (1980). Options ranging from partial controls to a complete ban are feasible.

**New authority** -- Congress may legislate export controls. Over the past 20 years, there have been numerous proposals to restrict exports through legislation.

**Budget requirements** -- The primary budget requirements for export controls would be for monitoring the controls. Monitoring would be done by the Department of Commerce with concurrence of the Department of Agriculture because logs are classed as an agricultural commodity. In the past, no compensation has been paid to those adversely affected by export controls.

#### **Effects**

**Timber supply** -- In recent years, softwood log export volume from Washington, Oregon, and California has amounted to some 3.8 billion board feet. A ban on exports would make this volume available for domestic processing. A portion of this volume would be processed into lumber for export, a portion would be processed into lumber for domestic use and would substitute for production from the South and Canada, and a portion would not be harvested because of lower prices for stumpage.

Initially, the ban would decrease stumpage prices by one-third. As new capacity comes on line, stumpage prices would recover, but would still be somewhat lower. All stumpage sellers, including National Forests in western Washington and western Oregon would experience revenue declines on the order of one-third if sales volume is maintained and even more if volume is not maintained.

The ban on exports would significantly affect imports of softwood lumber from Canada, reducing them 1 billion board feet in 1995 and over 3 billion board feet in 2000. The U.S. balance of trade through reduced imports would improve by some \$600 billion. Elimination of exports from Washington, Oregon, and California would cause a reduction in export

value on the order of \$1.8 billion. Depending on the volume and value of lumber exports, some of this sales loss would be offset by additional lumber sales.

**Jobs** -- The proposed ban would force a restructuring of the timber industries in Washington and Oregon. Jobs associated with log processing with lumber exporting would increase while jobs associated with log exporting would decrease. It is assumed that new processing capacity would be phased in over a 5-year period. If all the logs were to be processed domestically, an additional 15,000 jobs would be created in the lumber and wood products industries (assumes 4 additional jobs per million board feet for processing as compared with export). There would be a loss of some jobs because of lower stumpage prices and less forest management activity. About 75 percent of the exports from Washington and Oregon originate in Washington. It is unlikely that logs from Washington could be transported to southern Oregon, so new capacity in Washington is critical to the creation of additional jobs.

## COMMUNITY OUTREACH

### Overview of Required Community Outreach Actions

Implementing the recommendations of the Spotted Owl Interagency Scientific Committee will dislocate workers in communities that depend heavily on logging and manufacturing of old-growth timber in the Pacific Northwest. Efforts to reduce economic hardship in these communities would be enhanced by establishing a Federal taskforce to coordinate the Federal response. Successful precedents for such a step include the President's Adjustment Committee, through which the Department of Defense has coordinated Federal response to base closings since 1970. A similar approach is planned to reduce hardships created by implementation of the proposed amendments to the Clean Air Act.

Key input for the Task Force would have to come from the Department of Labor, Economic Development Administration and the Small Business Administration in the Department of Commerce. Thus, it would be appropriate for the task force to be convened by the Secretary of Labor with strong contributions from these two agencies along with the Forest Service and Bureau of Land Management.

Then, the Federal Task Force would work with affected States to establish a State-wide coordinating committee comprised of participating Federal Agencies; State economic development, community development and human service agencies; and representatives from local community response teams.

The local community response teams would be authorized to plan and oversee Federally assisted and jointly Federal/State funded efforts to reduce economic and worker dislocation. These plans would be developed according to the local circumstances, but they would typically cover:

**Retraining and readjustment services** – Existing dislocated worker programs in California, Oregon, and Washington use annual allotments distributed by formula under Title III of the Job Training Partnership Act to offer classroom and on-the-job training, and basic or remedial education, if appropriate. Title III also provides for assessment of skills and interests, job development, and relocation assistance, as well as supportive services and needs-related payments so the eligible worker can participate in the program. Local response teams would be linked into these programs. If necessary, additional funding would be available for the impacted areas through discretionary grants from the Secretary of Labor's national reserve account.

**Employment services and unemployment compensation** – The Job Service local offices provide a full range of labor exchange services for employers and workers, including assessment and counseling, job referral, and job placement. Also, eligible workers are able to collect up to 26 weeks of unemployment compensation benefits under the unemployment insurance system. The local response teams would be working with these agencies to ensure that every dislocated worker is made aware of the benefits and services available.

**Economic development** – The Economic Development Administration's Public Works and Economic Development Act (PWEDA) provides funding opportunities for a wide range of projects not only to encourage and support economic development, but also to respond to worker dislocation. The Small Business Administration offers guidance and financial assistance for existing small businesses and entrepreneurs wishing to develop new

businesses. The local response teams would help coordinate economic development efforts by supplying information about the federal programs, and by expediting plans and requests for assistance.

**Title of Program or Action:** Retrain dislocated workers.

**Description**

Economic Dislocation and Worker Adjustment Act (EDWAA) replaces Title III of the Job Training Partnership Act (JTPA). It is part of a comprehensive approach to assisting dislocated workers that also includes provisions of the Worker Adjustment and Retraining Notification Act (WARN) and the Trade Adjustment Assistance (TAA) program.

The Governor of each state is responsible for overall administration and management of the program, including establishment of systems to respond rapidly to major worker dislocation. A local service-delivery system through which substate areas and grantees are designated for the purpose of providing assistance to dislocated workers.

One portion of the program provides timely intervention for dislocated workers who need retraining to adjust to changes in the local and national economies. Specifically, the program provides for assessment of skills and interests, job development, and relocation assistance, as well as supportive services and needs for related payments so the eligible worker can participate in the program.

Emphasis is on a comprehensive, timely array of retraining and reemployment services, tailored to workers' individual needs, including long-term job preparation.

**Action Required**

The proposed action is for the Secretaries of Agriculture and Interior jointly to contact the Secretary of Department of Labor for authorization of discretionary funds in organizing rapid response teams in each of the affected states to address dislocated workers issues.

**Existing authority** – Sufficient authority currently exists.

**New authority** – None required.

**Budget requirements** – The national budget for program year 1990 (available beginning July 1, 1990) is \$463.6 million of which \$91.7 million are at the discretion of the Secretary, Department of Labor. Further breakdown for each of the three affected states follows:

California – \$33.6 million

Oregon – \$3.9 million

Washington – \$7.9 million

The President's budget request for program year 1991 (beginning July 1, 1991) is \$400 million.

**Effects**

**Timber supply** – No effect.

**Jobs** – Does not create additional jobs in affected communities. However, job opportunities are highlighted both locally and nationally.

**Title of Program or Action:** Educate and provide skills, particularly to youths, to prevent chronic unemployment.

**Description**

Economic Dislocation and Worker Adjustment Act (EDWAA) replaces Title III of the Job Training Partnership Act (JTPA). It is part of a comprehensive approach to assisting dislocated workers that also includes provisions of the Worker Adjustment and Retraining Notification Act (WARN) and the Trade Adjustment Assistance (TAA) program.

The Governor of each State is responsible for overall administration and management of the program, including establishment of systems to respond rapidly to major worker dislocation.

Specifically, one portion of the program is to assist individuals at risk of chronic unemployment, particularly youth, to gain the basic educational competencies and the skills necessary for long-term employability.

Emphasis is on a comprehensive, timely array of retraining and reemployment services, tailored to workers' individual needs, including long-term job preparation.

**Action Required**

The proposed action is for the Secretaries of Agriculture and Interior jointly to contact the Secretary of Department of Labor for authorization of discretionary funds to assist in organizing rapid response teams in each of the affected States to address issues related to assisting individuals at risk of chronic unemployment, particularly the youth.

**Existing authority** -- Sufficient authority currently exists.

**New authority** -- None required.

**Budget requirements** -- Covered under authority for retraining dislocated workers.

**Effects**

**Timber supply** -- No effect.

**Jobs** -- Does not create additional jobs in affected communities, but local and national job opportunities are highlighted with emphasis on young people, who are the future of the Nation's diversified workforce.

**Title of Program or Action:** Extend unemployment benefits.

**Description**

Unemployment insurance pays benefits to qualified workers who are unemployed and looking for work. It is a Federal-State cooperative program. Each State has its own laws and is responsible for determining who is eligible for benefits, how much they receive, and for how long. Benefits are paid as a matter of right, and are not based on need.

Unemployment insurance tides workers over while they find jobs for which they are reasonably suited in terms of training, past experience, and past wages. Benefits are in effect for a maximum of 26 weeks.

**Action Required**

The proposed action is for the Secretaries of Agriculture and Interior jointly to contact the Secretary of Department of Labor for drafting of legislation to extend the maximum benefits period beyond 26 weeks.

**Existing authority** -- Sufficient authority currently exists for 26 weeks of pay benefits.

**New authority** -- Additional legislation is needed to authorized pay benefits beyond 26 weeks in affected communities.

**Budget requirements** -- All unemployment insurance benefits come directly from tax revenues within each State. Amounts of available moneys are not known for affected States.

**Effects**

**Timber supply** -- No effect.

**Jobs** -- Does not create additional jobs in affected communities, but pay benefits will bring money into affected communities.

**Title of Program or Action:** Ensure timely supply of employment services to meet needs of employers and jobseekers.

#### **Description**

Under the Wagner-Peyser Act, funds are allocated to each State to plan and administer a labor exchange program which best responds to the needs of the State's employers and workers. The Federal Government, through the U.S. Department of Labor's Employment and Training Administration, provides general direction, funding and oversight, and also assists the States with programs of test development, occupational analysis, and maintenance of the Dictionary of Occupational Titles. Most of the appropriations come from the trust funds collected under the Federal Unemployment Tax Act, with 3 percent coming from general revenues.

The objectives of the program are to:

- o assist jobseekers in finding employment
- o assist employers in filling job vacancies
- o facilitating the matching of employer and jobseeker needs
- o participating in a system for clearing labor between the States
- o meeting the work-test for unemployment insurance claimants

The public employment service is available to all those legally authorized to work in the United States.

Veterans are to be provided with priority service and disabled veterans are to be given preferential treatment.

Job counseling is provided for any person with a disability.

Following are some of the specific services provided:

- o occupational aptitude tests
- o circulation of information about jobs
- o training opportunities and occupational demand-and-supply situations within particular labor markets
- o preparation of State and local planning information
- o provision of computerized listing of local, State and national job openings
- o eligibility certification for employer tax credit
- o initial processing of applications for foreign labor certification
- o agricultural worker referral

Federal Acquisition Regulations (FAR), Part 20 Labor Surplus Area (LSA) Concerns.

This part of the FAR provides for the Government to solicit and award contracts to eligible Labor Surplus Area Concerns. The FAR provides general and specific policies that requires Agencies to assist depressed industries when that industry has been designated as such by the Department of Labor and Federal Emergency Management Agency (FEMA). In addition FAR, Part 20 specifies requirements for prime contractors to use best efforts to subcontract with LSA concerns when such subcontracting is (1) consistent with the efficient performance of the contract and (2) at prices not higher than are obtainable elsewhere.

**Applicable Contract Provisions:**

1. FAR clause 52.220-2, Notice of Total Labor Surplus Area Set-Aside.
2. Clause 52.220-3, Utilization of Labor Surplus Area Concerns.
3. Clause 52.220-4, Labor Surplus Area Subcontracting Program.

***Action Required***

The proposed action is for the Secretaries of Agriculture and Interior jointly to contact the Secretary of Department of Labor for authorization of discretionary funds to assist in organizing rapid response teams in each of the affected States to ensure that every dislocated worker is made aware of the benefits and services available.

The Forest Service in conjunction with FEMA and DOL must ensure that appropriate measures are taken either on an area-wide or state-wide basis (Oregon and Washington) to designate Labor Surplus Areas. Contracting Officers then must use the applicable provisions and monitor compliance in accordance with FAR, Part 20.

Another and currently available option for directing a majority of Forest Service small procurements to displaced timber industry individuals is through the use of Small Purchases Procedures as outlined in FAR, Part 13. These procedures provide for the procurement of supplies or services with an anticipated dollar value of less than \$25,000.

**Existing authority** -- Sufficient authority currently exists.

**New authority** -- Request authority from Congress to permit Forest Service and Bureau of Land Management to designate depressed areas as Labor Surplus Areas for the purpose of setting-aside contracts to businesses in areas designated.

**Budget requirements** -- The national budget for program year 1990 (beginning July 1, 1990) is \$779 million and for program year 1991 (beginning July 1, 1991) is \$772.6 million.

***Effects***

**Timber supply** -- No effect.

**Jobs** -- It is estimated that designation of labor surplus areas would generate 7,100 jobs which might be locally contracted, providing dislocated worker skills match contracting labor needs.

**Title of Program or Action:** Designate local Federal administrative sites as community assistance centers.

#### **Description**

Federal land management district offices are the only Federal offices in many rural communities affected by changes in management of the spotted owl. They, therefore are the only local information source on Federal assistance programs. There are numerous Federal assistance programs administered by the Department of Labor and Department of Agriculture. However, information about these programs and opportunities seldom reaches many of the targeted beneficiaries because many Federal agencies have offices only in large towns and urban areas.

#### **Action Required**

**Existing authority** --Some Federal land management offices currently employ a Human Resource Coordinator. Traditionally, these coordinators have concentrated on managing volunteer programs, summer student employment (YCC, summer resource crews, etc.), and presenting forest management programs in the local public schools.

**New authority** -- Human Resource Coordinators and/or Public Affairs Officers could expand their duties to include providing information to the community on a multitude of Federal assistance programs. If there is a Job Service center in the community, Human Resource Coordinators could work with Job Service personnel.

**Budget Requirements** -- In cases where there is already a Human Resource Coordinator and/or Public Affairs Officer budgeted, very little money would be required to expand their duties to include providing assistance program information to local residents. Many Federal land management offices provide an annual human resources coordinator workshop. These workshops could be expanded to provide further training for coordinators. A national contact in Washington could be responsible for keeping the field coordinators current on new and/or changes in assistance programs throughout the year.

#### **Effects**

**Timber Supply** -- No effect

**Jobs** -- This proposal would not create new jobs *per se*, but it would keep residents informed about potential jobs, job training, and grant opportunities.

**Communities** -- This proposal would improve the image of Federal Government personnel as concerned and caring members of the community. In rural communities, Federal land managers are an important part of the social infrastructure. The proposal also would provide a cost-effective way for information about many Federal assistance programs to be provided to rural residents.

## **EDUCATION OUTREACH**

The long-term solution to timber shortages in timber-dependent communities is to diversify community economies. Education of displaced workers and education of youth are keys to diversification. More importantly, to adults who have lost occupational hope and to youth who see no options for the future, vocational education and skills training offer the chance for meaningful work.

The U.S. Department of Education has several programs that could be helpful to the communities in northern California and the Pacific Northwest where timber industry and mill workers are facing not only the loss of present jobs but the potential loss of their present occupation. Some of these programs are listed below.

***Title of Program or Action:*** Direct vocational education "formula" funding to affected communities.

### ***Description***

The Department of Education currently provides funding to States according to an established formula. These "formula" funds constitute a block grant allocated by each State according to State-determined priorities. This program would focus "formula" funding set-asides to States to be applied specifically to disadvantaged youth in communities affected by the spotted owl decisions.

### ***Action Required***

The proposed action requires Congress to direct that in the California, Oregon, and Washington "formula" funds be set aside specifically for programs to assist youth in affected communities.

**Existing authority** – No authority currently exists

**New authority** – Congressional direction in Vocational Education Reauthorization Bill currently in conference (HB 7 and S1109)

**Budget requirements** – Request 1991 "formula" funding for affected States.

### ***Effects***

Focuses limited (\$900mm) funds on educational programs that could provide employment options for youth in formerly timber-dependent communities.

**Title of Program or Action:** Establish community education employment centers in distressed communities.

**Description**

The proposed Senate version of the Vocational Education Reauthorization Bill (S 1109) directs the establishment of community education employment centers which would provide youth "with the education, skills, support services and enrichment necessary to ensure:

1. graduation from secondary schools;
2. successful transition from secondary schools to a broad range of post-secondary institutions; and
3. employment, including military service." (Section 362 S1109)

**Action Required**

The proposed action is for Congress to include Section 362 of S 1109 in the final Vocational Education Reauthorization Bill currently in conference. In addition, Congress will need to designate the Pacific Northwest and northern California as sites for at least two of ten proposed centers.

**Existing authority** -- None

**New authority** -- Inclusion of Section 362 S 1109 in Vocational Education Reauthorization Bill and passage of bill with specific Congressional direction

**Effects**

Additional job opportunities and the awareness of vocational options by youth in affected communities in Pacific Northwest and northern California

**Title of Program or Action:** Establish demonstration centers for the retraining of dislocated workers

**Description**

This Department of Education program provides financial assistance to establish one or more demonstration centers in order to demonstrate the application of general theories of vocational education to the specific problems of retraining dislocated workers. Awards are either grants or cooperative agreements.

**Action Required**

The proposed action is for Congress to designate affected workers in California, Oregon, and Washington as "absolute priority" or the Pacific Northwest and northern California as a demonstration site for funding during FY92 under authorization of Carl D. Perkins Vocational Education Act.

**Existing authority** -- Sufficient authority currently exists

**New authority** -- Congressional direction to focus on workers and/or communities in affected States

**Effects**

Improved employment prospects for the displaced workers in Pacific Northwest and northern California communities.

**Title of Program or Action:** Establish national workplace literacy program in affected communities.

**Description**

This Department of Education program provides funding to train workers in basic skills needed by an established industry in a partnership arrangement between an industry and a educational or training institution. This program could be combined with efforts by individual State economic development agencies to relocate new industries in formerly timber-dependent communities. The new industries could be encouraged to relocate by the availability of interested workers who would receive training in necessary skills including computer literacy, problem solving, and group dynamics.

**Action Required**

The proposed action requires a cooperative effort among State economic development agencies, industries, educational institutions and the Department of Education. Critical to the application of available funds to the affected communities is the successful competition for Federal funding by community action partnerships.

**Existing authority** -- Sufficient authority currently exists

**New authority** -- None required

**Effects**

Improved and more diverse local economies as well as jobs for displaced workers.

**Title of Program or Action:** Direct *Building our American Communities* (BOAC) to the affected communities.

**Description**

This privately endowed volunteer high school program links secondary students with community leaders on projects identified by local community as of value to the community. Although this program is privately funded, it is administered by State offices of education and receives direction and technical assistance from the Farmers Home Administration.

**Action Required**

The proposed action is for the Farmers Home Administration Director and State departments of education to create projects that provide needed community assistance.

**Existing authority** -- Sufficient authority currently exists.

**New authority** -- No new authority is required but special emphasis should be given to communities affected by the spotted owl decisions.

**Effects**

Awareness and support by RJR Nabisco, the founder, and creation of projects considered valuable by Pacific Northwest communities.

## **FAMILY SUPPORT**

**Title of Program or Action:** Direct aid to families with dependent children, low income, and/or who are homeless; and provide community services block grants to develop individual work skills.

### **Description**

The U.S. Department of Health and Human Services funds a number of programs that are likely to be helpful in areas that have large adverse impacts. These programs as a group are designed to "Strengthen the American Family."

- o Aid to Families with Dependent Children (AFDC) Program
- o Job Opportunities and Basic Skills Training (JOBS) Program
- o Child Support Enforcement (CSE) Program
- o Community Services Block Grants (CSBG) Program
- o Emergency Community Services Homeless Grant (EHP) Program
- o Low Income Home Energy Assistance (LIHEAP) Program

### **Action Required**

The Secretary of Labor monitors displaced workers to determine success of retraining and relocation. If significant numbers of dislocated workers remain on welfare roles for 12-24 months, authorities for "Strengthen the American Family" programs should be utilized to help people to return to the work force.

**Existing authority** -- Sufficient authority currently exists.

**New authority** -- None required.

**Budget requirements** -- The 1990 budget level is \$2.453 billion and the 1991 President's Budget is \$2.715 billion.

### **Effects**

**Timber Supply** -- No effect.

**Jobs** -- Does not create additional jobs in affected communities. Rather, the goal is to help individuals to move from welfare to productive working status.

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## LOANS AND GRANTS

**Title of Program or Action:** Provide economic development grants and loans to distressed communities or counties.

### *Description*

There are numerous agencies within the Federal Government that offer low-cost loans, loan guarantees and grants to assist communities, counties and other jurisdictions evaluate their current economic condition, develop plans to diversify their economies, and implement strategies that are determined to be feasible to improve their economic situation. Most of these programs and their sponsoring agencies are listed and briefly described in the January 1989 GAO report on Rural Development. Refer to this GAO report and A Hard Look at USDA's Rural Development Programs for specific budgets and authorities. A few of the more important sources for loans, loan guarantees and outright grants include the following:

**The Small Business Administration**, operating under authority of the Small Business Act of 1953 as amended, and others, offers 2 basic types of business loans: Guaranty and Direct. Guaranty loans are made by private lenders such as banks with up to 90 percent guaranteed by SBA. About 98 percent of SBA loans are made under this program, which is currently funded at \$3 billion. Maximum loans are up to \$750,000 on exposure for up to 25 years. SBA usually guarantees 16,000 to 18,000 loans each year. Their budget for direct loans is \$90,000,000 per year.

**The Economic Development Administration** of the Department of Commerce operates under the Public Works and Economic Development Act of 1965, as amended (P.L. 89-136). They have approximately \$150,000,000 for loan guarantees for "for profit" companies, and a similar amount for 5 different direct grant programs for "not for profit" organizations. This includes \$36,000,000 in 1990 funding for their Economic Adjustment (Title IX) Assistance program for distressed areas such as the Carolinas and Puerto Rico following Hurricane Hugo. EDA loan guarantees range from \$750,000 to \$10,000,000 in size so as not to duplicate SBA programs. They usually use most of their grant authority each year, but have a significant amount of authority left for loan guarantees that could be used for companies in the owl impacted areas.

**Farmers Home Administration** within the Department of Agriculture has similar grant and loan guaranty authority from the Consolidated Farm and Rural Development Act, as amended. Its funds are to assist rural businesses and communities overcome economic difficulties. Although most of the funds go into water and waste disposal programs, they do have \$96,000,000 for both community facilities and business and industry loan guaranty programs this year that could be partially applicable to the spotted owl impact area. Community loans are limited to towns with less than 20,000 people. Direct loans for 1990 to communities in impacted area include \$3.07 million in California, \$1.26 million in Oregon and \$1.56 million in Washington. Guaranteed loans are not allocated by State.

**The Rural Electrification Administration** in the Department of Agriculture operates several direct and loan guaranty programs under authority of the Rural Electrification Act of 1936 as amended. REA has about \$6.5 million available through their Rural Electric Cooperatives for direct and guaranteed loans to assist communities

Most of these loans are in revolving accounts that replenish the fund and are continually available.

**The Department of Housing and Urban Development** has several multi-million dollar Block Grant programs authorized under the Housing and Community Development Act of 1974, as amended, and others. These programs provide funds to State and local government entities to be used at their discretion for several community planning and development activities. Although these funds are under the control of the governor or mayor once they are distributed, some of these funds are probably available in the owl impacted areas.

These are just a few examples of the many programs already operating in the country, but they represent about \$4 billion of Federal grant and loan authority that is currently available to assist workers, businesses and communities in the impact area. Many similar but smaller programs are administered by several other Federal Agencies, including the Forest Service.

#### ***Action Required***

Provide impacted communities and businesses with technical assistance on how and where to apply for direct or guaranty loan assistance from the many sources of funding that already exist.

Inform appropriate agencies about the seriousness of the owl situation and need for their assistance in providing funds in the impacted areas.

Consider earmarking a portion of the grant/loan guaranty funds available from some of the agencies for specific use in the spotted owl impact areas. This could be done by Congress in the Appropriation Bills, or by the Administration.

#### ***Effects***

**Timber supply** -- No effect.

**Jobs** -- The programs have the potential for creating many employment opportunities, the implementation of this option will not have immediate results. They are designed to provide a long-range solution, not a short-term fix.

**Communities** -- All of these programs could have a significant positive effect on the economic condition and survival of communities in the impacted area.

**Title of Program or Action:** Provide technical assistance to affected communities.

#### **Description**

Past experience has shown that a considerable amount of wood is wasted in harvesting and manufacturing that could be utilized if loggers and mill operator's used more efficient methods. Recent studies indicate that, overall, the industry could obtain at least 10 percent more material from the woods, and another 10 percent from processing logs, if they were shown how to do so. If the timber supply in the Northwest is reduced by over 1 billion board feet annually, it is more important than ever to make sure that the trees harvested are utilized as efficiently and economically as possible. Although Cooperative Forestry currently administers a national program to improve logging and milling efficiency, much more could be done in the impacted areas with a modest increase in program funds. Providing the latest technology to the mills operating in the Northwest will make it possible for more mills to keep operating with the anticipated reductions in timber supply. It also will increase the profitability of their operations. The same is true for loggers.

Another type of technical assistance that can be offered to communities, counties or even larger political jurisdictions is in the area of economic development. The Forest Service and several other Federal Agencies have personnel available with expertise that would be useful for economic development in the impact areas. Direction and funding would be designed to carry economic development to the grass roots.

The President's "Rural Economic Development for the 90's" initiative, the Secretary of Agriculture's Rural Revitalization Task Force Report, and the new Forest Service Rural Development Strategy all support these kinds of activities and urge their implementation.

#### **Action Required**

**New Authority** -- No new authority is required for Cooperative Forestry to expand its forest products utilization program in the West. However, we could use additional authorization to help people working on the National Forests become more involved in community activities.

**Budget requirements** -- \$1 million per year of additional funding.

#### **Effects**

**Timber supply** -- Expanding the forest products utilization program in the Northwest could help industry offset as much as 20 percent of the material lost due to reduced harvest levels on National Forest and BLM land.

**Jobs** -- Both technical assistance proposals would significantly increase numbers of jobs available.

**Communities** -- Both forms of technical assistance would have a positive impact on affected communities, but the effects cannot be quantified without further study.

## REVENUE SHARING

**Title of Program or Action:** Raise National Forest tax equivalency payments from 25 percent to 50 percent for counties affected by changes in spotted owl management.

### *Description*

In the early 1800's, the States attempted to compensate counties containing large amounts of Federal land by taxing that land. In 1819, however, the Supreme Court ruled in that the States do not have the power to tax Federal property. States and local governments, therefore, did not receive compensation for Federally owned land until the early 1900's, when Congress passed three acts that provide revenue sharing funds to counties with National Forest lands:

1. The Act of May 23, 1908, as amended (16 U.S.C. 500), requires payments by the USDA Forest Service of "25 percentum of all moneys received during any fiscal year from each National Forest" to be distributed to county schools and roads as prescribed by each individual State legislature. This act applies to that NFS land reserved from the public domain. Most of this land is in the West. The original purpose of these payments was to assist newly organized western counties to develop their public facilities.

2. The Act of March 1, 1911, known as the Weeks Law (16 U.S.C. 500), contains the same provisions as the 1908 act, but applies to land acquired to establish National Forests. Most of this land is in the eastern half of the country. Two amendments passed in 1976 affect the size of the payments under the 1908 and 1911 acts. In 1976, Congress added the Knutson-Vandenberg reforestation funds (deposits made by timber purchasers under the Knutson-Vandenberg Act of June 9, 1930), and road purchaser credits to the total National Forest Fund, out of which the 25-percent payments to the counties are made. The addition of these moneys substantially increased the payments to counties.

3. Bankhead-Jones Farm Tenant Act of 1937 (7 U.S.C. 1012) provides for the return of 25 percent of the net revenues received from land acquired by USDA under the provision of Title III for land conservation and land utilization purposes. These moneys are also to be used for maintaining and improving public schools and/or county roads and bridges.

For the Bureau of Land Management the revenue sharing legislation is the McNary O&C Act (50 Stat. 874) of August 1937. Although the statute provides for sharing 75 percent of the revenues with the counties, the "O&C formula", reenacted annually during the appropriations process, provides that 50 percent of gross revenue goes without restrictions to counties containing O&C revested land, prorated according to each county's proportion of the 1915 assessed value of the land adjusted in 1934 and 1955.

### *Action Required*

**Existing authority** – The Act of May 23, 1908, as amended (16 U.S. C. 500) calls for 25 percent of all moneys received during any fiscal year by the USDA Forest Service to be distributed to county schools and roads as prescribed by each individual State legislature.

**New authority** – The Act of May 23, 1908 would have to be amended by Congress to increase revenue sharing to 50 percent for counties affected by changes in management of the spotted owl. This would be similar to the the 50 percent revenue sharing now done for BLM's O&C lands.

**New authority** -- The Act of May 23, 1908 would have to be amended by Congress to increase revenue sharing to 50 percent for counties affected by changes in management of the spotted owl. This would be similar to the the 50 percent revenue sharing now done for BLM's O&C lands.

**Budget requirements** -- None

***Effects***

**Timber supply** -- None

**Jobs** -- Local school teachers and road maintenance personnel.

**Communties** -- Would provide \$43-50 million of additional federal revenue sharing funds to counties. In most cases the increase would more than offset the losses associated with decreased timber harvesting to protect the northern spotted owl.

**Title of Program:** Provide Additional Authorities for Rural Development

Two bills that have been introduced in Congress would provide loans or grants that might be used in the communities that are hurt by timber sale reductions designed to protect spotted owls:

**S. 1036--Rural Partnership Act of 1989**

Title 16--Conservation--of S. 1036 would create a specific role for the Forest Service to promote community stability for forest-resource-dependent areas. It does so by broadening the purposes of a Forest-Service-controlled trust fund so the agency can provide assistance to communities to diversify their local economies, thereby reducing their dependence upon national forest resources.

Currently, funds to provide economic diversification grants and loans are obtained from import duties on plywood and semi-manufactured wood products. The bill increases, subject to appropriations, the amount the Secretary of the Treasury will transfer to the Reforestation Trust Fund each year from \$30 million to \$40 million, and requires that the \$10 million annual increase be directed to economic diversity assistance.

**H.R. 3581--Rural Economic Development Act of 1989**

Title IX of H.R. 3581 is cited as the "National Forest-Dependent Rural Communities Economic Diversification Act of 1990." This title is designed to provide assistance to rural communities that are located in or near national forests and are economically dependent on forest resources or are likely to be economically disadvantaged by Federal land management practices. These economically disadvantaged rural communities are provided the opportunity to request assistance from the Secretary of Agriculture.

The Secretary, upon request, is authorized to establish rural forestry and economic diversification action teams that will prepare action plans identifying opportunities to promote economic diversification and enhance local economies. Action plans shall be implemented to upgrade existing industries, to use forest resources more efficiently, and to expand the economic base of rural communities. To implement action plans, the Secretary is authorized to make grants and enter into cooperative agreements and contracts to provide necessary technical and related assistance. In furtherance of an action plan, the Secretary is authorized to utilize the Extension Service to develop and conduct education programs in these communities. The Federal contribution to the overall implementation of an action plan shall not exceed 80 percent of the total cost.

The Secretary is further authorized to make loans to these communities. These loans may be used for:

- (1) improving existing facilities;
- (2) expanding existing infrastructure, facilities, and services; and
- (3) supporting the development of new industries or commercial ventures.

There is authorized to be appropriated by the legislation up to 5 percent of the sums received by the Secretary from sales of timber and other products of the forests, and of user fees paid in connection with the use of forest lands. Such sums would amount to approximately \$50 million per year.

## **PUBLIC WORKS**

**Title of Program or Action:** Build to replace Forest Service/Bureau of Land Management leased space.

### **Description**

This program proposes constructing buildings to accomodate the Forest Service's need for office and administrative space. In many communities throughout Oregon, Washington and California, the Forest Service leases office space and utility buildings. As the number of leased facilities has increased, costs have limited the dollars available to provide products and services.

### **Action Required**

**New authority** -- A change in agency policy and sufficient funding (\$20-30mm). New authority within existing Federal procurement regulations to require using local business and workers to fulfill contract conditions.

**Budget requirements** -- None.

### **Effects**

**Timber supply** -- None.

**Jobs** -- Constructing buildings would provide construction jobs for local workers. Maintenance contracts for the office and grounds could be awarded to local firms.

**Community** -- Forest Service owned facilities could be available as a public building for community activities, such as meetings and trainings rooms. The lease cost assessment to project budgets would be greatly reduced, allowing more on-the-ground accomplishments such as campgrounds, trails, fish improvements, etc.

**Title of Program or Action:** Increase maintenance of Forest Service and Bureau of Land Management administrative facilities.

**Description**

Oregon, Washington, and California contain a large number of structures needing more than just routine maintenance to make them serviceable. Many of these buildings are historic structures (over 50 years old) and require specialized work to rehabilitate or protect their cultural resource values while retaining their usefulness to the Forest Service and public.

**Action Required**

**New authority** -- New authorities within existing purchasing regulations to allow, in place of competitive bidding, negotiated contracts with local contractors.

**Budget requirements** -- None.

**Effects**

**Timber supply** -- None.

**Jobs** -- Provides high quality jobs because workers can learn new trades which are valuable to the entire community.

**Community** -- Ensures continuing, not one-time-only, benefit to the community. Preserves an historic part of local communities which will increase local pride as well as provide a community benefit.

***Title of Program or Action:*** Enhance National Forests and Bureau of Land Management lands to provide community attractions.

***Description***

The thrust of the program would be to stimulate the economies in affected communities by: generating a substantial increase in recreation and tourism to add to the income and employment in adjacent communities; and by employing those who have lost jobs in the timber industry (i.e., timber sale construction/maintenance workers and contractors) in related road maintenance and construction.

Projects will be responsive to community strategies to enhance the local economy. Types of projects include campground expansion, information sites, recreation drives, trailheads, snow parks, scenic vistas, streamside recreation access, rest stops, bikeways, trails, etc. Specific project sites include: Mt. St. Helens National Volcanic Monument, Scenic Byways, Columbia River Gorge National Scenic Area, and snow damage on selected National Forests.

***Actions Required***

**New authority** -- No additional authorities to perform work. Additional \$'s needed. New authorities within existing Federal procurement regulations to require using local businesses and workers to fulfill contract.

**Budget requirements** -- None.

***Effects***

**Timber supply** -- None.

**Jobs** -- Provides short term jobs to community workers at salaries comparable to former occupation in timber industry.

**Community** -- Increases in recreationists and tourists patronizing local gas, food and lodging providers including commercial campgrounds and motels.

## LAND STEWARDSHIP

**Title of Program or Action:** Construct recreation facilities and improve trails in affected areas.

### **Description**

Federal land affected by changes in northern spotted owl management can provide additional recreational opportunities. Emerging trends in recreation preferences include increased interest in hiking and other activities related to tourism.

There are opportunities to construct recreation and interpretive facilities that would enhance recreation activities in the affected area. A General Accounting Office (GAO) report on trail maintenance and reconstruction indicates a \$50 million backlog of work in areas affected by management for the northern spotted owl. About 80 percent of this total is for construction and reconstruction, and 20 percent is for maintenance.

To construct needed recreation facilities and to make inroads into this backlog, annual increases of \$5 million for construction, \$2 million for maintenance and \$8 million for reconstruction will be needed by the Forest Service and Bureau of Land Management over the next 5 years. These increases would eliminate the backlog and provide improved recreation opportunities in the affected area.

### **Action Required**

**New authority** -- None needed.

**Budget requirements** -- \$15 million per year for 5 years.

### **Effects**

**Timber supply** -- None.

**Jobs** -- Directly and indirectly, a total of 600 jobs would be created.

**Communities** -- The additional recreational opportunities could stimulate local recreational expenditures by tourists and attract investments in recreation developments in affected communities.

***Title of Program or Action:*** Enhance recreational and commercial fisheries.

***Description***

Fisheries management has been a Federal land management activity since the beginning of this century. Both the Forest Service and the Bureau of Land Management manage fish habitats and provide angling opportunities in cooperation with State agencies, which regulate and manage fish populations.

The Forest Service has reemphasized its fisheries program through its "Rise to the Future" initiative and through actions in its Land Management Plans. Forest Service fisheries activities rely on the knowledge and cooperation of other government agencies, private industry, researchers, and the angling public. Two features of its plans are enhancement of spawning habitat and removal of barriers to migrating salmon.

The Bureau of Land Management has emphasized its fisheries program in "Fisheries Habitat Management on Public Land" and "Anadromous Fish Habitat Management". These plans were developed under the auspices of "Fish and Wildlife 2000".

The areas impacted by changes in management of the northern spotted owl include some outstanding anadromous fish habitat in scenic settings. That combination suggests opportunities to develop both recreational and commercial fisheries, which are in high demand.

***Action Required***

**New authority** -- None needed.

**Budget requirements** -- \$15 million per year for 4 years.

***Effects***

**Timber supply** -- None.

**Jobs** -- Over the next 4 years, 600 jobs would be created directly and indirectly.

**Communities** -- Improved angling opportunities could stimulate spending by tourists and investments in recreation developments in affected communities.

**Title of Program or Action:** Accelerate resource information gathering, including spotted owl inventorying and monitoring.

#### **Description**

Timely, accurate inventories for sound resource information are essential for effective resource management, particularly in view of the new challenges created by the need to protect the northern spotted owl. In this difficult situation, inconsistent or dated information will only make resource management more complicated. Accurate inventories and sound resource and research information are needed to facilitate the exchange of information between resource managers and concerned publics so that the resource conditions and possible management options can be properly evaluated.

The Forest Service's and Bureau of Land Management's ability to analyze alternatives for management of the Spotted Owl is directly related to how effectively we can collect, analyze, and communicate information about the land we manage -- both internally within the Agencies, and externally with our cooperators and the publics we serve.

Increasingly, the public is demanding more information about their public lands. It is getting harder to meet the swelling demands for this information with the laborious and time-consuming manual methods that currently exist at most of our field offices.

The ability to analyze and share resource information is essential to developing viable management alternatives, and finding innovative solutions to complicated issues. But because of the high costs of producing these analyses by hand, our field units often can't afford to examine a wide range of alternatives, or do the quality analysis that is needed.

Implementing a Geographic Information System, and automating our resource inventory data, would enable the agencies to analyze and share resource information in a more timely, accurate, and consistent manner. It would also enable us to do a better job of analyzing and displaying alternative solutions to difficult forest management issues.

Geographic information system technology would also improve our ability to communicate with our clients because of its capability to graphically present resource information.

Outstanding opportunities include accelerated implementation of a Geographic Information System, increased monitoring and inventorying of northern spotted owls, and special research on innovative silvicultural practices and their economic and social consequences.

#### **Action Required**

**New authority** -- None required for inventorying, need permission to issue Request for Proposals for Geographic Information System.

**Budget requirements** -- \$18 million per year for 3 years

#### **Effects**

**Timber supply** -- None.

**Jobs** -- 350 jobs would be created directly and indirectly.

**Communities** -- Improved data would be provided for development of land management plans and ability to quickly analyze alternatives for coordination with publics.

**Title of Program or Action:** Reclaim existing roads in owl habitat conservation areas.

**Description**

The Interagency Scientific Committee report restricts all timber management within each owl Habitat Conservation Area (HCA). These HCAs contain many miles of road built by timber purchasers which no longer will be maintained in a condition for timber sale contracts. Damage to the environment could occur from unmaintained roads. For example: a blocked drain could result in flooding or erosion and sedimentation. There is no reason to retain roads within HCAs by removing drainage structures and revegetating the road beds, returning the HCA to a natural unroaded condition.

**Actions Required**

**New authority** -- No additional authorities are needed to perform work. New authorities in existing Federal procurement regulations could require using local businesses and workers to complete contracts.

**Budget requirements** -- \$6 million dollars each year for 5 years or \$10 million per year for 3 years.

**Effects**

**Timber supply** -- None.

**Jobs** -- Over 1,000 jobs per year to community workers at salaries comparable to former occupation in timber industry.

***Title of Program or Action:*** Increase timber presale work.

***Description***

Several years are often required to lay out timber sales and to develop the necessary documentation. Ranger District personnel have been fully occupied supplying information to support a decision about spotted owl management, to satisfy needs of advisory boards, to deal with lawsuits, and to survey threatened and endangered species. As a result, the timber sale preparation pipeline is virtually empty. Existing timber sale layouts do not meet the Interagency Scientific Committees guidelines. Hence, an enormous amount of effort will be required to prepare and advertise the timber sales that are permitted under the guidelines. Additional funding above the FY 91 President's Budget request will be needed to provide future timber sale offerings consistent with the Committee's guidelines.

***Action Required***

**New authority** -- None needed.

**Budget requirements** -- \$30 million per year above President's Budget level for 3 years.

***Effects***

**Timber supply** -- 4 billion board feet over a 3-year period.

**Jobs** -- 1,500 to 1,700 jobs would be supported directly and indirectly over a 3-year period.

**Community** -- Job dislocation would be reduced in impacted communities.

## DELIVERY MECHANISMS

Currently there are several mechanisms or processes in place that may facilitate support of affected communities, towns, and States. With the various programs available at the Federal and State levels, these mechanisms and processes can help affected communities to find the best combination of support to meet their individual needs. Most of these mechanisms and processes rely on the affected communities to take the initiative by working themselves through adverse economic situations. Following are some examples of the processes that are either in place or are being developed.

**1. Activating Interagency Task Force** -- The Secretary of Agriculture or Interior can request the Secretary of Labor to activate an Interagency Task Force to respond to such areas affected by adverse economic actions. Recently, the task force approach was used in connection with proposed military base closing and enactment of the Clean Air Act. The task force would be chaired by the Secretary of Labor or another Secretary if more appropriate. The Economic Development Administration and the Small Business Administration would provide strong input.

The task force would:

- Identify geographic areas that will be impacted by the recommendations, and coordinate the use of Federal resources to mitigate impacts.

- Meet State and local officials, employers, workers and community leaders in the impacted areas to assess the situation and develop an action plan. The plan would include actions to be taken, the people responsible, and a timetable for completion.

- Make Job Training Partnership Act Title III national reserve funds available for the establishment of local oversight and advisory groups to include employers, workers, and community leaders.

- Work with the communities to promote alternative economic development (Employment Development Agency mission).

- Provide guidance and financial assistance for small businesses impacted by the high unemployment, or entrepreneurs wishing to develop new businesses (Small Business Administration mission).

- Provide retraining and/or relocation services for workers who receive notice of lay off (Employment and Trade Administration mission).

The local response teams would be authorized to plan and oversee federally assisted and jointly funded efforts to reduce economic worker dislocation. These plans would be developed according to the local circumstances, but they would typically cover:

**2. Rural Economic Development for the 1990's** -- In March 1989, the President's Economic Policy Council formed the Working Group on Rural Development to explore how the Federal Government might better address rural America's problems. The Working Group produced its report in January 1990. The report contains findings and recommendations whose implementation could support economically impacted areas as they work themselves through adverse economic conditions.

**3. Pacific Northwest Strategy** -- The Pacific Northwest Strategy is a regional effort of the Forest Service to form partnerships on helping resource-dependent communities prepare for and achieve their desired future. Efforts are underway to identify operating authorities, available and proposed funding, project selection criteria, and needed communication to ensure success. The Strategy could be used as part of a process or approach to deal with the impacted areas in the Pacific Northwest and northern California.

**4. Working Together for Rural America--A Strategic Plan for the 90's** -- The Forest Service has developed a unified plan for helping rural America. This plan is an "umbrella" strategy which focuses efforts on greater internal coordination, greater cooperation with other public and private entities, and greater emphasis on being part of community-based activities. The plan included a revised policy, with six goals, representing opportunities for change.

This strategy could be utilized as a part or all of an approach.

These few examples represent ways in which the Administration may wish to respond. Obviously, other approaches also could be explored.

## OTHER OPTIONS

### *Other Options the Administration May Wish to Explore*

This report outlines some actions or programs that would require additional legislative authority. In addition, some ideas have been raised that could be explored further. Following is a listing of actions that would require additional authority and additional ideas that have not been documented in the report, but may trigger discussion. The list is by no means exhaustive. Other ideas probably will come up as the situation is explored.

- o ***Impacted Aid to Affected School Systems.*** The Department of Education administers a program that provides supplemental dollars to school systems to offset revenue losses for students who reside on Federal property. Since the number of students living in Federal quarters will be reduced in some places, and since school systems will experience loss of students with families relocating, the Administration may wish to consider a program similar to Impact Aid. It would be different in that payments would be made to school districts, at least in the short-term, in order to provide a transition from the existing number of students to considerably reduced enrollment.
- o ***Ban Log Exports.*** Legislation could be proposed to ban log exports from all public land in Washington, Oregon, and California or from all land, regardless of ownership, in these States. Currently, log exports are banned from Federal land west of the 100th meridian in annual appropriations legislation. This proposed legislation, if enacted, would provide permanent authority.
- o ***National Forest System Receipts.*** Legislation could be proposed to increase the share of National Forest receipts provided to counties from 25 to 50 percent. This action would provide additional revenue to counties. In addition, legislation could authorize sharing with counties without designating use. For example, receipts are now earmarked for schools and roads. More discretion would be available to counties if funds were not earmarked.
- o ***Extension of Unemployment Benefits.*** Currently, unemployment benefits are available to workers for up to 26 weeks. Legislation could be proposed to extend such benefits for additional weeks to be determined in order to allow workers more time to find employment.
- o ***Block Grants.*** Some States have requested block grant funds coming from several Departments and Agencies for rural communities. The communities would use such grants to build the capacities of rural communities for sustainable economic development, diversification, and revitalization. It may be desirable to analyze the requests in detail to determine appropriate responses. If it is decided that a request is worthy of support, then it must be determined if adequate authorities and dollars exist. If not, authority and dollars will have to be sought.
- o ***Designate Labor Surplus Areas.*** The Administration may wish to seek authority to designating impacted locations as Labor Surplus Areas. This designation would permit the Forest Service and Bureau of Land Management to set aside contracts for businesses in the impacted areas.

- o ***Rural Development Legislation.*** The Administration may wish to reconsider its position on H.R. 3581, National Forest-Dependent Rural Communities Economic Diversification Act of 1990. Proposed legislation would provide up to 5 percent of Federal Government Receipts from the sale of timber and other products and user fees to be used in situations like the one addressed in this report. Counties such as those that could be adversely affected by changes in owl management could receive approximately \$50 million annually. Legislation also provides authority for the Secretary of Agriculture to make loans to communities for improving existing facilities, expanding existing infrastructure, facilities and services, and supporting the development of new industries or commercial ventures.

# Appendix

## APPENDIX I

Contacts Made With Other Departments, Agencies  
and State Services Organizations

## Department of Agriculture

|                        |                                       |
|------------------------|---------------------------------------|
| Roland R. Vautour -    | Under Secretary                       |
|                        | Small Community and Rural Development |
| Walter Hill -          | Assistant Under Secretary             |
|                        | Small Community and Rural Development |
| Rob Richards -         | Small Community and Rural Development |
| Tom Stafford -         | Agricultural Cooperative Service      |
| Bob Lovan -            | Extension Service                     |
| Norman Reid -          | Economic Research Service             |
| William F. Hagey III - | Farmers Home Administration           |
| Jenny Genser -         | Food and Nutrition Service            |
| Blaine Stockton -      | Rural Electrification Administration  |
| Pat John -             | Rural Information Center              |
| Carl Bouchard -        | Soil Conservation Service             |

## Department of Commerce

|                  |                                                                                                                            |
|------------------|----------------------------------------------------------------------------------------------------------------------------|
| David McIlwain - | Acting Deputy Secretary for Grant Proposals<br>and Director, Public Works Division, Economic<br>Development Administration |
| James Marx -     | Director, Business Loans Program, Economic<br>Development Administration                                                   |
| Len Smith -      | International Trade Administration                                                                                         |
| Alan Dunn -      | Deputy Assistant Secretary for Basic<br>Industries, International Trade                                                    |

## Department of Education

|                      |                                                                 |
|----------------------|-----------------------------------------------------------------|
| Glenn Boerrigter -   | Deputy Director, Division of National Programs<br>(OVAE)        |
| Sarah Newcomb -      | Adult Education                                                 |
| Cleveland Randle -   | Vocational Education                                            |
| Maureen McLaughlin - | Post Secondary Programs                                         |
| Ricky Takai          | Division Director, Multilevel and Special<br>Populations (P&ES) |
| Robert Farning -     | Director, Impact Programs                                       |

## Department of Housing and Urban Development

|                      |                                              |
|----------------------|----------------------------------------------|
| Christinia Aerriga - | Office of Community Planning and Development |
| Don Patch            |                                              |

## Department of Labor

|                |                                                                                         |
|----------------|-----------------------------------------------------------------------------------------|
| David Demers - | Director, Research and Technical Support,<br>Office of Assistant Secretary for Policy   |
| Eric Johnson - | Division Chief, Policy, Analysis and Worker<br>Retraining, Office of Work-Base Learning |

Department of Health and Human Services

Mae Brooks -

Chief, Division of Block Grants, Office of  
Community Services, Family Support  
Administration

Diann Dawson -

Acting Director, Inter Office of Director,  
Office of Family Assistance

General Accounting Office

James L. Hedrick -

Group Director, Resources, Community, and  
Economic Development Division

Small Business Administration

Everett Shell -

Office of Business Loans

State Services Organizations

John Forkenbrock -

National Association of Federally Impacted  
Schools

Aliceann Wahlbruck -

National Association of Development  
Organizations

## APPENDIX II

### FEDERAL DOMESTIC ASSISTANCE PROGRAMS, BY DEVELOPMENT CATEGORY, FOR FISCAL YEARS 1985 AND 1987

This appendix groups program data, for all programs in our data base, by development category; it was the source of programs discussed in section 4. The programs are divided into two parts: those providing grants, direct payments, and other expenditures and those providing loans and insurance.

The first column shows the economic development code for each program. These codes are discussed in section 3 and listed in table 3.1.

Columns two and three provide the program number and object code, where available, as shown in the Catalog of Federal Domestic Assistance. Object codes are as follows: A--formula grants; B--project grants; C--direct payments for specified use; D--direct payments with unrestricted use; E--direct loans; F--guaranteed/insured loans; G--insurance. Program titles, shown in column four, were obtained primarily from the fiscal year 1988 Catalog or, if not in that Catalog, from the fiscal year 1986 Catalog.

Column five shows the agency administering the program. The abbreviations are explained in the table of contents. The amounts in columns six and seven, unless otherwise noted, were obtained from the Catalogs for fiscal years 1986 and 1988, respectively.

The rural share (column eight) was computed by multiplying the fiscal year 1985 rural percentage in the "Percent rural" column by the amount in the "Catalog FY87 total" column. Rural percentages (column nine) were obtained from information developed by the Economic Research Service from the Consolidated Federal Funds Report for fiscal year 1985. Column ten provides footnote references both for the entire appendix and for specific programs.

The subtotals for each of the six development categories were derived by adding the individual amounts shown for the respective development category's programs for fiscal years 1985 and 1987 and the rural share for 1987. "1987 total dollars for programs with rural shares" is the fiscal year 1987 sum for only those programs that had entries in the "Percent rural" column. "Percent of program funds to rural counties," a composite percentage for each development category, was derived by dividing the category's rural share "Subtotal" by "1987 total dollars for programs with rural shares."

| Econ-<br>omy<br>Code | Pro-<br>gram<br>Number | Object<br>Code | Program | Agency | Catalog<br>FY 85<br>Total | Catalog<br>FY 87<br>Total | Rural<br>Share | Per-<br>cent<br>Rural | Foot-<br>notes |
|----------------------|------------------------|----------------|---------|--------|---------------------------|---------------------------|----------------|-----------------------|----------------|
|----------------------|------------------------|----------------|---------|--------|---------------------------|---------------------------|----------------|-----------------------|----------------|

**GRANTS, DIRECT PAYMENTS, AND OTHER EXPENDITURES**

|                                                   |        |   |                                                           |      |        |        |       |      |   |
|---------------------------------------------------|--------|---|-----------------------------------------------------------|------|--------|--------|-------|------|---|
| <b><u>ECONOMIC DEVELOPMENT</u></b>                |        |   |                                                           |      |        |        |       |      |   |
| 11                                                | 10.212 | B | Small Business Innovation Research                        | USDA | 3.15   | 3.51   |       |      | a |
| 11                                                | 13.126 | B | Small Business Innovation Research                        | DIHS | 2.40   | 4.48   |       |      |   |
| 11                                                | 59.026 | B | Service Corps of Retired Executives Association           | SBA  | 1.20   | 0.84   | 0.00  | 0.0  |   |
| 11                                                | 59.037 | B | Small Business Development Centers                        | SBA  | 27.25  | 32.70  |       |      |   |
| 12                                                | 10.424 | B | Industrial Development Grants                             | USDA |        | 3.00   |       |      | b |
| 12                                                | 10.434 | B | Nonprofit National Corporations Loan and Grants Program   | USDA |        | 14.26  |       |      | b |
| 12                                                | 11.300 | B | Economic Development--Grants for Public Works...          | DOC  | 155.98 | 144.25 | 51.21 | 35.5 |   |
| 12                                                | 11.302 | B | Economic Development--Support for Planning Organizations  | DOC  | 18.98  | 18.99  | 7.99  | 42.2 |   |
| 12                                                | 11.303 | B | Economic Development--Technical Assistance                | DOC  | 8.16   | 7.19   | 0.45  | 6.2  |   |
| 12                                                | 11.304 | B | Economic Development--Public Works Impact Projects        | DOC  |        |        |       |      | c |
| 12                                                | 11.305 | B | Economic Development--State and Local...Planning          | DOC  | 7.79   | 4.90   |       |      |   |
| 12                                                | 11.307 | B | Special Economic Development and Adjustment Assist. Prog. | DOC  | 32.99  | 26.00  | 13.44 | 51.7 |   |
| 12                                                | 11.312 | B | Research and Evaluation Program                           | DOC  | 1.98   | 4.97   | 0.00  | 0.0  |   |
| 12                                                | 12.002 | B | Procurement Technical Assistance for Business Firms       | DOC  |        | 5.87   |       |      | b |
| 12                                                | 23.009 | B | Appalachian Local Development District Assistance         | ARC  | 3.90   | 2.26   | 0.71  | 31.5 |   |
| 12                                                | 59.007 | B | Management and Technical Assistance...Disadvantaged Bus.  | SBA  | 10.55  | 9.00   | 0.69  | 7.7  |   |
| Subtotal                                          |        |   |                                                           |      | 274.33 | 282.22 | 74.49 |      |   |
| 1987 Total Dollars for Programs with Rural Shares |        |   |                                                           |      |        | 207.69 |       |      |   |
| Percent of Program Funds to Rural Counties        |        |   |                                                           |      |        |        |       | 35.9 |   |

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|                                             |        |     |                                                              |      |         |         |         |      |   |
|---------------------------------------------|--------|-----|--------------------------------------------------------------|------|---------|---------|---------|------|---|
| <b><u>AGRICULTURE/NATURAL RESOURCES</u></b> |        |     |                                                              |      |         |         |         |      |   |
| 21                                          | 10.025 | B   | Plant and Animal Disease and Pest Control                    | USDA | 23.37   | 28.29   |         |      | a |
| 21                                          | 10.051 | D   | Commodity Loans and Purchases (Purchases Only)               | USDA | 2616.07 | 1829.87 | 204.95  | 11.2 |   |
| 21                                          | 10.052 | D   | Cotton Production Stabilization                              | USDA | 1211.05 | 989.20  | 628.14  | 63.5 |   |
| 21                                          | 10.053 | D   | Dairy Indemnity Program                                      | USDA | 0.00    | 6.69    | 4.65    | 69.5 |   |
| 21                                          | 10.055 | D   | Feed Grain Production Stabilization                          | USDA | 2944.00 | 2363.21 | 1689.70 | 71.5 |   |
| 21                                          | 10.058 | D   | Wheat Production Stabilization                               | USDA | 2391.14 | 1546.83 | 1245.20 | 80.5 |   |
| 21                                          | 10.059 | D   | National Wool Act Payments                                   | USDA | 102.54  | 145.41  | 100.04  | 68.8 |   |
| 21                                          | 10.065 | D   | Rice Production Stabilization                                | USDA | 650.03  | 376.21  | 244.16  | 64.9 |   |
| 21                                          | 10.067 | D   | Grain Reserve Program                                        | USDA | 328.99  | 832.36  | 688.16  | 82.7 |   |
| 21                                          | 10.071 | C   | Federal-State Cooperation...Warehouse Examination Agreement  | USDA |         | 1.77    |         |      | b |
| 21                                          | 10.156 | B   | Federal-State Marketing Improvement Program                  | USDA | 0.99    | 0.92    |         |      |   |
| 21                                          | 10.205 | A   | Payments to Land Grant Colleges and Tuskegee University      | USDA | 21.88   | 21.38   |         |      |   |
| 21                                          | 10.209 | A   | 1890 Research Facilities                                     | USDA | 9.60    | 9.13    |         |      |   |
| 21                                          | 10.210 | B   | Food and Agricultural Sciences...Graduate Fellowship Grants  | USDA | 4.85    | 2.77    |         |      |   |
| 21                                          | 10.211 | B   | Higher Education Strengthening Grants                        | USDA | 1.94    | 1.84    |         |      |   |
| 21                                          | 10.214 | B   | Morrill-Nelson Funds for Food...Higher Education             | USDA | 2.80    | 2.80    |         |      |   |
| 21                                          | 10.475 | B   | Coop. Agreements...Intrastate Meat and Poultry...Inspections | USDA | 33.09   | 33.42   |         |      |   |
| 21                                          | 10.600 | C   | Foreign Agricultural Market Development and Promotion        | USDA | 33.65   | 35.30   |         |      |   |
| 21                                          | 10.601 | C   | Targeted Export Assistance                                   | USDA |         | 110.00  |         |      | b |
| 21                                          | 10.960 | B   | Technical Agricultural Assistance                            | USDA | 26.30   | 1.60    |         |      |   |
| 21                                          | 10.961 | B   | International Agricultural Research...                       | USDA | 0.49    | 0.36    |         |      |   |
| 22                                          | 10.070 | C   | Colorado River Salinity Control                              | USDA |         | 2.17    |         |      |   |
| 22                                          | 11.419 | A,B | Coastal Zone Management Program Administration Grants        | DOC  | 40.90   | 38.60   |         |      |   |
| 22                                          | 15.805 | A   | Assistance to State Water Resources Research Institutes      | DOI  | 5.89    | 5.68    | 0.27    | 4.8  |   |
| 22                                          | 15.806 | B   | National Water Resources Research Program                    | DOI  | 2.51    | 4.38    |         |      |   |
| 23                                          | 15.250 | B,C | Regulation of Surface Coal Mining...Underground Coal Mining  | DOI  | 37.71   | 45.11   |         |      |   |
| 23                                          | 81.011 | B   | University Reactor Sharing and Fuel Assistance               | DOE  | 2.85    | 0.30    | 0.00    | 1.1  |   |
| 23                                          | 81.036 | B   | Energy-Related Inventions                                    | DOE  | 4.90    | 5.10    | 0.35    | 6.8  |   |
| 23                                          | 81.049 | B   | Basic Energy Sciences, High Energy and Nuclear Physics       | DOE  | 89.80   | 451.00  | 0.90    | 0.2  |   |

| Econ-<br>omy<br>Code | Pro-<br>gram<br>Number | Object<br>Code | Program                                                    | Agency | Catalog<br>FY 85<br>Total | Catalog<br>FY 87<br>Total | Rural<br>Share | Per-<br>cent<br>Rural | Foot-<br>notes |
|----------------------|------------------------|----------------|------------------------------------------------------------|--------|---------------------------|---------------------------|----------------|-----------------------|----------------|
|                      |                        |                |                                                            |        | ----- (millions) -----    |                           |                |                       |                |
| 23                   | 81.057                 | B              | University Coal Research                                   | DOE    | 4.43                      | 5.46                      | 0.38           | 7.0                   |                |
| 23                   | 81.065                 | B              | Nuclear Waste Disposal Siting                              | DOE    | 12.41                     | 30.41                     |                |                       |                |
| 23                   | 81.077                 | B              | University Research Instrumentation                        | DOE    | 4.90                      | 5.00                      | 0.59           | 11.8                  |                |
| 23                   | 81.080                 | B              | Energy Policy, Planning and Development                    | DOE    | 0.22                      | 0.19                      | 0.00           | 2.2                   |                |
| 23                   | 81.081                 | B              | Energy Task Force for the Urban Consortium                 | DOE    | 1.96                      | 1.96                      | 0.29           | 14.8                  |                |
| 23                   | 81.086                 | B              | Conservation Research and Development                      | DOE    | 1.51                      | 1.01                      | 0.00           | 0.0                   |                |
| 23                   | 81.088                 | B,C            | International Affairs and Energy Emergencies               | DOE    | 0.06                      | 0.45                      | 0.00           | 0.0                   |                |
| 23                   | 81.089                 | B              | Fossil Energy Research and Development                     | DOE    | 43.11                     | 37.55                     | 0.75           | 2.0                   |                |
| 23                   | 81.090                 | C              | State Heating Oil Grants                                   | DOE    | 0.20                      |                           |                |                       | d              |
| 23                   | 81.095                 | B              | Nuclear Energy, Reactor Systems...and Technology           | DOE    |                           | 0.00                      |                |                       | b              |
| 24                   | 10.064                 | C              | Forestry Incentives Program                                | USDA   | 12.79                     | 11.93                     | 8.58           | 71.9                  |                |
| 24                   | 10.202                 | A              | Cooperative Forestry Research                              | USDA   | 12.53                     | 11.89                     | 0.88           | 7.4                   |                |
| 24                   | 10.213                 | B              | Competitive Research Grants for Forest and Range Land...   | USDA   | 7.53                      | 5.69                      |                |                       |                |
| 24                   | 10.652                 | B              | Forestry Research                                          | USDA   | 0.68                      | 2.87                      |                |                       |                |
| 24                   | 10.664                 | A,B            | Cooperative Forestry Assistance                            | USDA   | 24.68                     | 26.87                     |                |                       |                |
| 24                   | 10.669                 | B              | Assistance for Forest...Boundary Waters Canoe Area         | USDA   | 2.94                      | 2.80                      |                |                       |                |
| 25                   | 11.405                 | B              | Anadromous...Fisheries Conservation                        | DOC    | 3.50                      | 3.00                      |                |                       |                |
| 25                   | 11.407                 | A              | Commercial Fisheries Research and Development              | DOC    | 4.50                      |                           |                |                       | e              |
| 25                   | 11.408                 | D              | Fishermen's Contingency Fund                               | DOC    | 0.51                      | 0.73                      |                |                       |                |
| 25                   | 11.409                 | D              | Fishing Vessel...Compensation Fund                         | DOC    | 0.89                      | 0.92                      |                |                       |                |
| 25                   | 11.417                 | B              | Sea Grant Support                                          | DOC    | 36.43                     | 36.10                     |                |                       |                |
| 25                   | 11.426                 | B              | Financial Assistance for Marine Pollution Research         | DOC    | 0.35                      | 0.23                      | 0.03           | 11.8                  |                |
| 25                   | 11.427                 | B              | Fisheries Development and Utilization R&D...Program        | DOC    | 14.80                     | 7.40                      | 0.13           | 1.8                   |                |
| 25                   | 11.429                 | B              | Marine Sanctuary Program                                   | DOC    | 1.11                      | 0.68                      |                |                       |                |
| 25                   | 15.600                 | B              | Anadromous Fish Conservation                               | DOI    | 3.88                      | 2.24                      |                |                       |                |
| 25                   | 20.800                 | C              | Construction--Differential Subsidies                       | DOT    | 4.17                      | 0.31                      |                |                       |                |
| 25                   | 20.801                 | B              | Development and Promotion of Ports and ...Transportation   | DOT    | 0.24                      | 0.29                      |                |                       |                |
| 25                   | 20.804                 | C              | Operating--Differential Subsidies                          | DOT    | 338.06                    | 227.43                    |                |                       |                |
| 25                   | 20.808                 | C              | Capital Construction Fund                                  | DOT    | 0.14                      | 0.20                      |                |                       |                |
| 26                   | 10.054                 | C              | Emergency Conservation Program                             | USDA   | 5.44                      | 5.40                      | 3.92           | 72.5                  |                |
| 26                   | 10.062                 | C              | Water Bank Program                                         | USDA   | 8.79                      | 10.78                     | 9.65           | 89.5                  |                |
| 26                   | 10.063                 | C              | Agricultural Conservation Program                          | USDA   | 190.34                    | 181.89                    | 11.68          | 66.9                  |                |
| 26                   | 10.069                 | C              | Conservation Reserve Program                               | USDA   | 0.00                      | 267.02                    |                |                       |                |
| 26                   | 10.668                 | A              | Additional Lands--Grants to Minnesota                      | USDA   | 0.72                      | 0.57                      |                |                       |                |
| 26                   | 10.900                 | C              | Great Plains Conservation                                  | USDA   | 12.48                     | 11.41                     | 10.13          | 88.8                  |                |
| 26                   | 10.910                 | C              | Rural Abandoned Mine Program                               | USDA   | 6.30                      | 5.23                      | 2.81           | 53.8                  |                |
| 26                   | 11.420                 | B              | Coastal Zone Management Estuarine Research...              | DOC    | 4.48                      | 2.94                      |                |                       |                |
| 26                   | 15.219                 | B              | Wildlife Habitat Management Technical Assistance           | DOI    |                           |                           |                |                       | f              |
| 26                   | 15.252                 | A,B            | Abandoned Mine Land Reclamation (AMLR) Program             | DOI    | 261.17                    | 166.66                    |                |                       |                |
| 26                   | 15.605                 | A              | Sport Fish Restoration                                     | DOI    | 37.78                     | 142.70                    |                |                       |                |
| 26                   | 15.611                 | A              | Wildlife Restoration                                       | DOI    | 95.15                     | 117.15                    |                |                       |                |
| 26                   | 81.041                 | A              | State Energy Conservation                                  | DOE    | 23.52                     | 9.52                      |                |                       |                |
| 26                   | 81.050                 | A              | Energy Extension Service                                   | DOE    | 9.80                      | 3.97                      |                |                       |                |
| 26                   | 81.052                 | A              | Energy Conservation for Institutional Buildings            | DOE    | 47.04                     | 36.55                     | 5.67           | 15.5                  |                |
| 26                   | 81.078                 | B              | Industrial Energy Conservation                             | DOE    | 0.26                      | 7.00                      | 0.00           | 0.0                   |                |
| 27                   | 10.001                 | B              | Agricultural Research--Basic and Applied Research          | USDA   | 54.30                     | 20.17                     | 1.23           | 6.1                   |                |
| 27                   | 10.200                 | B              | Grants for Agricultural Research, Special Research Grants  | USDA   | 30.76                     | 52.91                     | 8.25           | 15.6                  |                |
| 27                   | 10.203                 | A              | Payments to Agricultural Experiment Stations/Hatch Act     | USDA   | 149.40                    | 141.99                    | 7.38           | 5.2                   |                |
| 27                   | 10.206                 | B              | Grants for Agricultural Research--Competitive Research...  | USDA   | 44.17                     | 38.54                     | 0.69           | 1.8                   |                |
| 27                   | 10.207                 | A              | Animal Health and Disease Research                         | USDA   | 5.47                      | 5.19                      | 0.23           | 4.4                   |                |
| 27                   | 11.428                 | B              | Intergovernmental Climate--Programs                        | DOC    | 0.25                      | 1.23                      | 0.00           | 0.0                   |                |
| 27                   | 11.430                 | B              | Undersea Research                                          | DOC    |                           | 8.90                      |                |                       | b              |
| 27                   | 11.431                 | B              | Climate and Atmosphere Research                            | DOC    |                           | 1.60                      |                |                       | b              |
| 27                   | 15.221                 | B              | Cooperative Agreements for Research in Public Lands Mgmt.  | DOI    | 0.22                      | 0.59                      | 0.00           | 0.0                   |                |
| 27                   | 15.308                 | A,B            | Grants for Mining and Mineral Resources and Research Inst. | DOI    | 0.18                      | 9.81                      | 1.35           | 13.8                  |                |
| 27                   | 15.612                 | B              | Endangered Species Conservation                            | DOI    | 3.74                      | 4.30                      |                |                       |                |
| 27                   | 15.807                 | B              | Earthquake Hazards Reduction Program                       | DOI    | 7.00                      | 7.00                      |                |                       |                |
| 27                   | 15.808                 | B              | Geological Survey--Research and Data Acquisition           | DOI    | 4.00                      | 6.73                      |                |                       |                |

| Econ-<br>omy<br>Code                              | Pro-<br>gram<br>Number | Object<br>Code | Program                                                     | Agency | Catalog<br>FY 85<br>Total | Catalog<br>FY 87<br>Total | Rural<br>Share | Per-<br>cent<br>Rural | Foot-<br>notes |
|---------------------------------------------------|------------------------|----------------|-------------------------------------------------------------|--------|---------------------------|---------------------------|----------------|-----------------------|----------------|
|                                                   |                        |                |                                                             |        | (millions)                |                           |                |                       |                |
| 27                                                | 15.875                 | B              | Economic and Political Development...Trust Territory...     | DOI    | 176.24                    | 398.63                    |                |                       |                |
| 27                                                | 17.600                 | B              | Mine Health and Safety Grants                               | DOI    | 5.17                      | 5.17                      |                |                       |                |
| 27                                                | 81.004                 | B              | University-Laboratory Cooperative Program                   | DOE    | 6.50                      | 6.08                      |                |                       |                |
| 27                                                | 81.083                 | C              | Minority Educational Institution Research Travel Fund       | DOE    | 0.10                      | 0.04                      |                |                       |                |
| 27                                                | 81.087                 | B              | Renewable Energy Research and Development                   | DOE    | 0.06                      | 0.85                      |                |                       |                |
| 27                                                | 81.091                 | B              | Socioeconomic and Demographic Research, Data...Information  | DOE    | 0.90                      | 0.77                      |                |                       |                |
| 27                                                | 81.092                 | B              | Remedial Action and Nuclear Waste Technology                | DOE    | 170.37                    | 277.05                    |                |                       |                |
| 27                                                | 81.093                 | B              | Nuclear Energy Policy, Planning and Development             | DOE    |                           | 0.00                      |                |                       | b              |
| 27                                                | 81.094                 | B              | Minority Educational Institution Assistance                 | DOE    |                           |                           |                |                       |                |
| Subtotal                                          |                        |                |                                                             |        | 12489.76                  | 11272.69                  | 494.34         |                       |                |
| 1987 Total Dollars for Programs with Rural Shares |                        |                |                                                             |        |                           |                           |                |                       |                |
| Percent of Program Funds to Rural Counties        |                        |                |                                                             |        |                           |                           | 54.5           |                       |                |
| 31                                                | 10.665                 | A              | Schools and Roads--Grants to States                         | USDA   | 224.94                    | 295.10                    |                |                       |                |
| 31                                                | 10.666                 | A              | Schools and Roads--Grants to Counties                       | USDA   | 10.05                     | 7.73                      | 7.64           | 98.8                  |                |
| 31                                                | 14.218                 | A              | Community Development Block Grants/Entitlement Grants       | DHUD   | 2433.68                   | 2059.40                   | 0.00           | 0.0                   |                |
| 31                                                | 14.219                 | B              | Community Development Block Grants/Small Cities Programs    | DHUD   | 52.00                     | 38.41                     | 11.06          | 28.8                  |                |
| 31                                                | 14.221                 | B              | Urban Development Block Grants/Small Cities Programs        | DHUD   | 559.30                    | 306.32                    | 20.52          | 6.7                   |                |
| 31                                                | 14.225                 | B              | Community Development Block Grants...Insular Area           | DHUD   | 7.00                      | 7.00                      |                |                       |                |
| 31                                                | 14.227                 | B,C            | Community Development Block Grants...Technical Assist...    | DHUD   | 14.70                     | 11.73                     | 0.42           | 3.6                   |                |
| 31                                                | 14.228                 | A              | Community Development Block Grants/State's Programs         | DHUD   | 971.80                    | 844.19                    |                |                       |                |
| 31                                                | 14.232                 | B              | Community Development Block Grant...Special Projects        | DHUD   |                           | 10.28                     |                |                       | b              |
| 31                                                | 15.916                 | B              | Outdoor Recreation--Acquisition, Development and Planning   | DOI    | 96.70                     | 46.60                     |                |                       |                |
| 31                                                | 21.300                 | A              | State and Local Government...Assistance--Revenue Sharing    | DOTRES | 4566.70                   |                           |                | 16.1                  | d              |
| 31                                                | 23.002                 | B              | Appalachian Supplements to Federal Grant-in-Aid             | ARC    | 27.35                     | 0.02                      |                |                       |                |
| 31                                                | 84.040                 | B              | Impact Aid--Construction                                    | DOED   | 20.00                     | 22.50                     | 0.00           | 0.0                   |                |
| 31                                                | 84.041                 | D              | Impact Aid--Maintenance and Operation                       | DOED   | 665.00                    | 685.00                    | 223.31         | 32.6                  |                |
| 31                                                | 84.154                 | A              | Public Library Construction                                 | DOED   | 15.53                     | 22.05                     |                |                       |                |
| 31                                                | 84.172                 | B              | Construction, Reconstruction,...Academic Facilities         | DOED   | 0.00                      | 37.75                     |                |                       |                |
| 32                                                | 20.106                 | B              | Airport Improvement Program                                 | DOT    | 939.80                    | 1025.00                   | 89.18          | 8.7                   |                |
| 32                                                | 20.205                 | A,B            | Highway Planning and Construction                           | DOT    | 13813.69                  | 12904.22                  | 2993.78        | 23.2                  |                |
| 32                                                | 20.308                 | A              | Local Rail Service Assistance                               | DOT    | 17.61                     | 25.25                     |                |                       |                |
| 32                                                | 20.500                 | B              | Urban Mass Transportation Capital Improvement Grants        | DOT    | 746.12                    | 674.51                    | 0.67           | 0.1                   |                |
| 32                                                | 20.503                 | B              | Urban Mass Transportation Managerial Training Grants        | DOT    | 0.70                      | 0.00                      | 0.00           | 2.1                   |                |
| 32                                                | 20.505                 | B              | Urban Mass Transportation Technical Studies Grants          | DOT    | 50.00                     | 45.61                     | 0.00           | 0.0                   |                |
| 32                                                | 20.507                 | A              | Urban Mass Transportation...Assistance Formula Grants       | DOT    | 2282.48                   | 2153.78                   | 0.00           | 0.0                   |                |
| 32                                                | 20.509                 | A              | Public Transportation for Nonurbanized Areas                | DOT    | 100.47                    | 81.51                     |                |                       |                |
| 32                                                | 20.512                 | B              | Urban Mass Transportation Technical Assistance              | DOT    | 19.35                     | 16.28                     | 0.00           | 0.0                   |                |
| 32                                                | 20.901                 | C              | Payments for Essential Air Services                         | DOT    | 34.95                     | 26.68                     | 2.83           | 10.6                  |                |
| 32                                                | 23.003                 | B              | Appalachian Development Highway System                      | ARC    | 76.62                     | 72.24                     |                |                       |                |
| 32                                                | 23.008                 | B              | Appalachian Local Access Roads                              | ARC    | 5.28                      | 2.10                      |                |                       |                |
| 32                                                | 23.017                 | B              | Appalachian Special Transportation Related Planning...Prog. | ARC    | 0.10                      | 0.11                      | 0.04           | 34.3                  |                |
| 33                                                | 11.550                 | B              | Public Telecommunications Facilities--Construction          | DOC    | 22.80                     | 19.30                     | 2.26           | 11.7                  |                |
| 34                                                | --                     | -              | Corps of Engineers--Civil Works                             | DOD    | 2904.17                   | 3136.97                   |                |                       | g              |
| 34                                                | 10.418                 | B              | Water and Waste Disposal Systems for Rural Communities      | USDA   | 129.00                    | 117.66                    |                |                       |                |
| 34                                                | 10.901                 | B              | Resource Conservation and Development                       | USDA   | 26.26                     | 6.54                      | 4.11           | 62.9                  |                |
| 34                                                | 10.904                 | B              | Watershed Protection and Flood Prevention                   | USDA   | 115.47                    | 85.25                     | 26.26          | 30.8                  |                |
| 34                                                | 66.418                 | B              | Construction Grants for Wastewater Treatment Works          | EPA    | 2573.96                   | 2169.00                   | 298.59         | 11.0                  |                |
| 35                                                | 11.603                 | B              | National Standard Reference Data Systems                    | DOC    |                           | 0.64                      |                |                       | b,h            |
| 35                                                | 11.609                 | B              | Measurement and Engineering Research and Standards          | DOC    | 4.50                      | 7.27                      |                |                       |                |
| 35                                                | 12.112                 | A              | Payments to States in Lieu of Real Estate Taxes             | DOD    | 7.29                      | 5.26                      |                |                       |                |
| 35                                                | 12.400                 | B              | Military Construction, Army National Guard                  | DOD    | 13.25                     | 76.63                     |                |                       |                |
| 35                                                | 12.607                 | B              | Military Base Reuse Studies...Community Planning Assistance | DOD    | 0.07                      | 0.37                      | 0.15           | 40.5                  |                |

| Econ-<br>omy<br>Code                              | Pro-<br>gram<br>Number | Object<br>Code | Program                                                     | Agency | Catalog<br>FY 85<br>Total | Catalog<br>FY 87<br>Total | Rural<br>Share | Per-<br>cent<br>Rural | Foot-<br>notes |
|---------------------------------------------------|------------------------|----------------|-------------------------------------------------------------|--------|---------------------------|---------------------------|----------------|-----------------------|----------------|
|                                                   |                        |                |                                                             |        | ----- (millions) -----    |                           |                |                       |                |
| 35                                                | 12.608                 | B              | Impact Assistance...East Coast Trident Program              | DOD    | 4.50                      | 7.60                      |                |                       |                |
| 35                                                | 13.392                 | B              | Cancer Construction                                         | DIHS   | 5.43                      |                           |                | 0.0                   | d              |
| 35                                                | 15.904                 | B              | Historic Preservation Fund Grants-in-Aid                    | DOI    | 25.48                     | 24.25                     |                |                       |                |
| 35                                                | 15.919                 | B              | Urban Park and Recreation Recovery Program                  | DOI    | 5.25                      | 1.09                      |                |                       |                |
| 35                                                | 20.005                 | A,B            | Boating Safety Financial Assistance                         | DOT    | 13.75                     | 28.50                     | 0.0            | 0.0                   |                |
| 35                                                | 20.107                 | B              | Airway Science                                              | DOT    |                           | 10.00                     |                |                       | b              |
| 35                                                | 20.214                 | B              | Highway Beautification--Control of...Advertising            | DOT    | 0.00                      | 0.00                      |                |                       |                |
| 35                                                | 20.218                 | A              | Motor Carrier Safety Assistance Program                     | DOT    | 12.11                     | 44.75                     |                |                       |                |
| 35                                                | 20.303                 | B              | Grants-in-Aid for Railroad Safety--State Participation      | DOT    | 3.04                      | 1.37                      |                |                       |                |
| 35                                                | 20.511                 | B              | Human Resource Programs                                     | DOT    | 2.41                      | 2.61                      |                |                       |                |
| 35                                                | 20.600                 | A              | State and Community Highway Safety                          | DOT    | 145.58                    | 121.00                    |                |                       |                |
| 35                                                | 20.700                 | A              | Pipeline Safety                                             | DOT    | 4.50                      | 4.50                      |                |                       |                |
| 35                                                | 20.811                 | C              | Research and Development Assistance (Maritime R&D)          | DOT    | 16.21                     |                           |                | 0.0                   | d              |
| 35                                                | 23.011                 | B              | Appalachian State Research, Technical...Projects            | AHC    | 1.00                      | 1.00                      |                |                       |                |
| 35                                                | 64.005                 | B              | Grants to States for Construction of State Home Facilities  | VA     | 29.14                     | 34.63                     | 0.00           | 0.0                   |                |
| 35                                                | 81.079                 | B              | Biofuels and Municipal Waste Technology...Regional Programs | DOE    | 3.60                      | 1.30                      |                |                       |                |
| 35                                                | 83.400                 | C              | Emergency Management Institute- Training Assistance         | FEMA   | 0.58                      | 0.81                      | 0.00           | 0.0                   |                |
| 35                                                | 83.403                 | A,B            | Emergency Management Institute--Field Training Program      | FEMA   | 0.52                      | 6.36                      | 0.00           | 0.0                   |                |
| 35                                                | 83.405                 | C              | National Fire Academy--Training Assistance                  | FEMA   | 1.79                      | 0.92                      |                |                       |                |
| 35                                                | 83.503                 | A              | Civil Defense--State and Local Emergency Management Asst.   | FEMA   | 56.58                     | 54.12                     |                |                       |                |
| 35                                                | 83.504                 | B              | Other State and Local Direction, Control and Warning        | FEMA   | 1.92                      | 0.00                      |                |                       |                |
| 35                                                | 83.505                 | B              | State Disaster Preparedness Grants                          | FEMA   | 1.32                      | 1.25                      | 0.00           | 0.0                   |                |
| 35                                                | 83.506                 | B              | Earthquake and Hurricane Preparedness Grants                | FEMA   | 2.70                      |                           |                |                       | d              |
| 35                                                | 83.508                 | B              | Radiological Instrumentation                                | FEMA   |                           |                           |                |                       | d,h            |
| 35                                                | 83.511                 | B              | Radiological Protection Planning and Development            | FEMA   | 3.00                      |                           |                |                       | d              |
| 35                                                | 83.512                 | B              | State and Local Emergency Operating Centers                 | FEMA   | 9.13                      | 0.07                      |                |                       |                |
| 35                                                | 83.513                 | B              | State and Local Warning and Communication Systems           | FEMA   | 1.25                      | 0.07                      | 0.00           | 0.0                   |                |
| 35                                                | 83.514                 | B              | Pollution Protection Planning                               | FEMA   | 8.48                      | 8.02                      |                |                       |                |
| 35                                                | 83.515                 | B              | Emergency Broadcast System Guidance and Assistance          | FEMA   | 0.40                      | 0.23                      |                |                       |                |
| 35                                                | 83.516                 | B              | Disaster Assistance                                         | FEMA   | 319.17                    | 246.03                    |                |                       |                |
| 35                                                | 83.518                 | B              | Emergency Public Information Competitive Challenge Grants   | FEMA   | 0.10                      |                           |                |                       | d              |
| 35                                                | 83.519                 | B              | Hazard Mitigation Assistance                                | FEMA   | 0.25                      | 0.19                      |                |                       |                |
| 35                                                | 83.520                 | B              | Hurricane Preparedness Grants                               | FEMA   |                           | 0.13                      |                |                       | b              |
| 35                                                | 83.521                 | B              | Earthquake Hazards Reduction Grants                         | FEMA   |                           | 1.38                      |                |                       | b              |
| 35                                                | 83.522                 | B              | Radiological Defense                                        | FEMA   |                           | 6.74                      |                |                       | b              |
| Subtotal                                          |                        |                |                                                             |        | 34227.86                  | 27655.16                  | 36.081         |                       |                |
| 1987 Total Dollars for Programs with Rural Shares |                        |                |                                                             |        |                           | 17960.17                  |                | 20.1                  |                |
| Percent of Program Funds to Rural Counties        |                        |                |                                                             |        |                           |                           |                |                       |                |

HUMAN RESOURCES

|    |        |   |                                                           |      |        |        |       |     |   |
|----|--------|---|-----------------------------------------------------------|------|--------|--------|-------|-----|---|
| 41 | 10.140 | B | Minority Research and Teaching Grants                     | USDA | 0.07   | 0.07   |       |     |   |
| 41 | 10.500 | A | Cooperative Extension Service                             | USDA | 330.63 | 322.51 | 17.74 | 5.5 |   |
| 41 | 12.609 | C | Selected Reserve Education Assistance Program             | DOD  | 19.86  | 45.00  |       |     |   |
| 41 | 13.117 | B | Grants for Preventive Medicine Residency Training         | DIHS | 1.60   | 1.57   |       |     |   |
| 41 | 13.119 | B | Grants for Podiatric Medicine Training                    | DIHS | 0.95   | 0.82   |       |     |   |
| 41 | 13.124 | B | Nurse Anesthetist Traineeships                            | DIHS | 0.80   | 0.79   |       |     |   |
| 41 | 13.139 | B | Financial Assistance for...Health Professions Students    | DIHS |        | 5.40   |       |     | b |
| 41 | 13.147 | B | Post-Baccalaureate Faculty Fellowships                    | DIHS |        | 0.62   |       |     | b |
| 41 | 13.149 | B | Grants for Two-Year Programs of Schools of Medicine...    | DIHS |        | 0.41   |       |     | b |
| 41 | 13.244 | B | Mental Health Clinical or Service Related Training Grants | DIHS | 21.49  | 13.35  | 0.17  | 1.3 |   |
| 41 | 13.263 | B | Occupational Safety and Health Training Grants            | DIHS | 8.76   | 9.90   | 0.00  | 0.0 |   |
| 41 | 13.281 | B | Mental Health Research Scientist Development...Awards     | DIHS | 9.15   | 10.64  | 0.00  | 0.0 |   |
| 41 | 13.288 | B | National Health Service Corps Scholarship Program         | DIHS | 2.27   | 2.30   | 0.12  | 5.1 |   |
| 41 | 13.298 | B | Nurse Practitioner and Nurse Midwife...Traineeship        | DIHS | 12.00  | 11.88  | 0.59  | 5.0 |   |

| Econ-<br>omy<br>Code | Pro-<br>gram<br>Number | Object<br>Code | Program                                                        | Agency | Catalog<br>FY 85<br>Total | Catalog<br>FY 87<br>Total | Rural<br>Share | Per-<br>cent<br>Rural | Foot-<br>notes |
|----------------------|------------------------|----------------|----------------------------------------------------------------|--------|---------------------------|---------------------------|----------------|-----------------------|----------------|
| 41                   | 13.299                 | B              | Advanced Nurse Education                                       | DHHS   | 16.45                     | 15.24                     | 0.49           | 3.2                   |                |
| 41                   | 13.339                 | A              | Capitation Grants for Schools of Public Health                 | DHHS   | 4.98                      | 4.95                      | 0.00           | 0.0                   |                |
| 41                   | 13.358                 | B              | Professional Nurse Traineeship                                 | DHHS   | 11.45                     | 11.63                     | 0.09           | 0.8                   |                |
| 41                   | 13.559                 | B              | Nurse Training Improvement--Special Projects                   | DHHS   | 9.50                      | 11.06                     | 1.32           | 11.9                  |                |
| 41                   | 13.379                 | B              | Grants for Graduate Training in Family Medicine                | DHHS   | 20.65                     | 19.84                     | 0.06           | 0.3                   |                |
| 41                   | 13.390                 | B              | Academic Research Enhancement Award                            | DHHS   | 5.00                      | 10.00                     | 0.76           | 7.6                   |                |
| 41                   | 13.398                 | B              | Cancer Research Manpower                                       | DHHS   | 41.56                     | 40.62                     | 0.04           | 0.1                   |                |
| 41                   | 13.614                 | A              | Child Development Associate Scholarships                       | DHHS   |                           | 1.00                      |                |                       | b              |
| 41                   | 13.648                 | B              | Child Welfare Services Training Grants                         | DHHS   | 3.82                      | 3.82                      | 0.42           | 11.0                  |                |
| 41                   | 13.820                 | B              | Scholarships for First-Year Students of Exceptional...Need     | DHHS   | 7.00                      | 6.93                      | 0.23           | 3.3                   |                |
| 41                   | 13.822                 | B              | Health Careers Opportunity Program                             | DHHS   | 24.00                     | 21.65                     | 0.78           | 3.6                   |                |
| 41                   | 13.880                 | B              | Minority Access to Research Careers                            | DHHS   | 7.74                      | 8.57                      | 0.34           | 4.0                   |                |
| 41                   | 13.884                 | B              | Grants for Residency Training in General Internal Medicine     | DHHS   | 17.69                     | 15.73                     | 0.00           | 0.0                   |                |
| 41                   | 13.886                 | B              | Grants for Physician Assistant Training Program                | DHHS   | 4.80                      | 4.29                      | 0.00           | 0.0                   |                |
| 41                   | 13.895                 | B              | Grants for Faculty Development in Family Medicine              | DHHS   | 6.05                      | 6.44                      |                |                       |                |
| 41                   | 13.896                 | B              | Grants for Predoctoral Training in Family Medicine             | DHHS   | 6.91                      | 6.65                      |                |                       |                |
| 41                   | 13.897                 | B              | Residency Training and Advanced Education...Dentistry          | DHHS   | 1.98                      | 2.67                      |                |                       |                |
| 41                   | 13.900                 | B              | Grants for Faculty Development...Internal Medicine...          | DHHS   | 0.59                      | 2.58                      |                |                       |                |
| 41                   | 13.962                 | A              | Health Administration Graduate Traineeship                     | DHHS   | 0.50                      | 0.49                      | 0.00           | 0.0                   |                |
| 41                   | 13.963                 | A              | Graduate Programs in Health Administration                     | DHHS   | 1.49                      | 1.49                      | 0.00           | 0.0                   |                |
| 41                   | 13.964                 | A              | Traineeships for Students in Schools of Public Health          | DHHS   | 3.00                      | 2.97                      | 0.00           | 0.0                   |                |
| 41                   | 20.502                 | B              | Urban Masses Transportation Grants for University...Trailing   | DOT    | 1.69                      | 1.31                      |                |                       |                |
| 41                   | 20.806                 | C              | State Marine Schools                                           | DOT    | 19.78                     | 12.07                     | 4.83           | 40.0                  |                |
| 41                   | 23.012                 | B              | Appalachian Vocational...Educational Facilities and Operations | ARC    | 1.85                      | 2.06                      |                |                       |                |
| 41                   | 23.013                 | B              | Appalachian Child Development                                  | ARC    | 0.05                      | 0.00                      |                |                       |                |
| 41                   | 45.115                 | B              | Younger Scholars                                               | NEH    | 0.09                      | 0.25                      | 0.01           | 2.1                   |                |
| 41                   | 45.116                 | B              | Summer Seminars for College Teachers                           | NEH    | 4.00                      | 4.71                      | 0.00           | 0.0                   |                |
| 41                   | 45.121                 | B              | Summer Stipends                                                | NEH    | 0.66                      | 0.73                      | 0.03           | 4.6                   |                |
| 41                   | 45.122                 | B              | Regrants/Centers for Advanced Study                            | NEH    | 0.90                      | 0.93                      | 0.00           | 0.0                   |                |
| 41                   | 45.127                 | B              | Elementary and Secondary Education in the Humanities           | NEH    | 7.97                      | 8.02                      | 0.17           | 2.1                   |                |
| 41                   | 45.142                 | B              | Fellowships for University Teachers                            | NEH    | 3.36                      | 2.72                      | 0.06           | 2.3                   |                |
| 41                   | 45.143                 | B              | Fellowships for College Teachers and Independent Scholars      | NEH    | 2.66                      | 3.52                      | 0.17           | 4.8                   |                |
| 41                   | 45.150                 | B              | Higher Education in the Humanities                             | NEH    | 4.89                      | 8.34                      | 0.69           | 8.3                   |                |
| 41                   | 45.151                 | B              | Summer Seminars for School Teachers                            | NEH    | 2.82                      | 3.16                      | 0.09           | 3.0                   |                |
| 41                   | 47.009                 | B              | Graduate Research Fellowships                                  | NSF    | 27.30                     | 27.27                     | 0.87           | 3.2                   |                |
| 41                   | 47.064                 | B              | College Science Instrumentation Program                        | NSF    | 5.00                      |                           |                |                       | f              |
| 41                   | 47.066                 | B              | Teacher Preparation and Enhancement                            | NSF    | 25.19                     | 30.47                     |                |                       |                |
| 41                   | 47.067                 | B              | Materials Development, Research...Science Education            | NSF    | 22.73                     | 29.48                     |                |                       |                |
| 41                   | 47.070                 | B              | Computer and Information Science and Engineering               | NSF    |                           | 116.86                    |                |                       | b              |
| 41                   | 47.071                 | B              | Undergraduate Science...and Mathematics Education              | NSF    |                           | 9.50                      |                |                       | b              |
| 41                   | 81.047                 | B              | Pre-Freshman Engineering                                       | DOE    | 0.28                      | 0.27                      | 0.02           | 6.7                   |                |
| 41                   | 84.002                 | A              | Adult Education--State Administered Program                    | DOED   | 101.96                    | 105.98                    |                |                       |                |
| 41                   | 84.003                 | B,C            | Bilingual Education                                            | DOED   | 139.13                    | 80.68                     |                | 12.2                  |                |
| 41                   | 84.007                 | C              | Supplemental Educational Opportunity Grants                    | DOED   | 412.72                    | 412.00                    | 35.43          | 8.6                   |                |
| 41                   | 84.010                 | A              | Educationally Deprived Children--Local Educational Agencies    | DOED   | 3199.14                   | 3453.19                   | 659.56         | 19.1                  |                |
| 41                   | 84.012                 | A              | Educationally Deprived Children--State Administration          | DOED   | 35.61                     | 37.11                     |                |                       |                |
| 41                   | 84.014                 | B              | Follow Through                                                 | DOED   | 10.00                     | 7.18                      | 1.12           | 15.5                  |                |
| 41                   | 84.015                 | B              | National Research Centers...International Studies              | DOED   | 19.75                     | 11.44                     | 0.00           | 0.0                   |                |
| 41                   | 84.016                 | B              | Undergraduate International Studies...Language Programs        | DOED   | 3.10                      | 2.93                      | 0.21           | 7.2                   |                |
| 41                   | 84.017                 | B              | International Research and Studies                             | DOED   | 1.50                      | 1.67                      | 0.00           | 0.0                   |                |
| 41                   | 84.018                 | B              | Fulbright-Hays...Special Bilateral Projects                    | DOED   | 0.72                      | 0.96                      |                |                       |                |
| 41                   | 84.019                 | B              | Fulbright-Hays Training Grants--Faculty Research Abroad        | DOED   | 0.83                      | 0.71                      | 0.02           | 2.6                   |                |
| 41                   | 84.020                 | B              | Fulbright-Hays...Grants--Foreign Curriculum Consultants        | DOED   | 0.12                      | 0.16                      | 0.00           | 0.0                   |                |
| 41                   | 84.021                 | B              | Fulbright-Hays Training Grants--Group Projects Abroad          | DOED   | 1.95                      | 2.64                      | 0.10           | 3.7                   |                |
| 41                   | 84.022                 | B              | Fulbright-Hays...Doctoral Dissertation Research Abroad         | DOED   | 1.65                      | 1.79                      | 0.00           | 0.0                   |                |
| 41                   | 84.031                 | B              | Higher Education--Institutional Aid                            | DOED   | 135.37                    | 148.81                    | 27.08          | 18.2                  |                |
| 41                   | 84.033                 | C              | College Work-Study Program                                     | DOED   | 599.28                    | 590.94                    | 56.14          | 9.5                   |                |
| 41                   | 84.034                 | A              | Library Services                                               | DOED   | 73.50                     | 78.40                     |                |                       |                |

| Econ-<br>omy<br>Code | Pro-<br>gram<br>Number | Object<br>Code | Program                                                    | Agency | Catalog<br>FY 85<br>Total | Catalog<br>FY 87<br>Total | Rural<br>Share | Per-<br>cent<br>Rural | *<br>Foot-<br>notes |
|----------------------|------------------------|----------------|------------------------------------------------------------|--------|---------------------------|---------------------------|----------------|-----------------------|---------------------|
|                      |                        |                |                                                            |        |                           | ----- (millions) -----    |                |                       |                     |
| 41                   | 84.035                 | A              | Interlibrary Cooperation and Resource Sharing              | DOED   | 17.64                     | 17.64                     |                |                       |                     |
| 41                   | 84.038                 | C              | Perkins Loans                                              | DOED   | 199.07                    | 187.50                    | 13.88          | 7.4                   |                     |
| 41                   | 84.042                 | B              | Student Support Services                                   | DOED   | 70.08                     | 70.96                     | 13.34          | 18.8                  |                     |
| 41                   | 84.044                 | B              | Talent Search                                              | DOED   | 20.73                     | 20.38                     | 3.17           | 15.6                  |                     |
| 41                   | 84.047                 | B              | Upward Bound                                               | DOED   | 73.71                     | 74.55                     | 12.38          | 16.6                  |                     |
| 41                   | 84.048                 | A              | Vocational Education--Basic Grants to States               | DOED   | 777.63                    | 809.51                    |                |                       |                     |
| 41                   | 84.049                 | A              | Vocational Education--Consumer and Homemaking Education    | DOED   | 31.63                     | 31.63                     |                |                       |                     |
| 41                   | 84.053                 | A              | Vocational Education--State Councils                       | DOED   | 7.00                      | 7.50                      |                |                       |                     |
| 41                   | 84.063                 | C              | Pell Grant Program                                         | DOED   | 3069.30                   | 3753.00                   | 60.29          | 9.6                   |                     |
| 41                   | 84.066                 | B              | Educational Opportunity Centers                            | DOED   | 9.21                      | 9.21                      | 0.79           | 8.6                   |                     |
| 41                   | 84.069                 | A              | Grants to States for State Student Incentives              | DOED   | 76.31                     | 76.00                     |                |                       |                     |
| 41                   | 84.073                 | B              | National Diffusion Network                                 | DOED   | 10.70                     | 10.70                     | 0.48           | 4.5                   |                     |
| 41                   | 84.083                 | B              | Women's Educational Equity                                 | DOED   | 6.00                      | 3.49                      | 0.09           | 2.5                   |                     |
| 41                   | 84.091                 | B              | Strengthening Research Library Resources                   | DOED   | 6.00                      | 6.00                      | 0.00           | 0.0                   |                     |
| 41                   | 84.094                 | B              | Patricia Roberts Harris Fellowships                        | DOED   | 14.25                     | 14.25                     | 0.56           | 3.9                   |                     |
| 41                   | 84.097                 | B              | Law School Clinical Experience Program                     | DOED   | 1.32                      | 1.50                      | 0.07           | 4.6                   |                     |
| 41                   | 84.099                 | B,C            | Bilingual Vocational Instructor Training                   | DOED   | 0.55                      | 0.56                      |                |                       |                     |
| 41                   | 84.100                 | B              | Bilingual Vocational Materials, Methods, and Techniques    | DOED   | 0.37                      | 0.37                      |                |                       |                     |
| 41                   | 84.103                 | B              | Training for Special Programs...Leadership Personnel       | DOED   | 1.09                      | 1.01                      |                |                       |                     |
| 41                   | 84.116                 | B              | Fund for the Improvement of Post secondary Education       | DOED   | 12.71                     | 12.16                     | 0.79           | 6.6                   |                     |
| 41                   | 84.120                 | B              | Minority Science Improvement                               | DOED   | 5.00                      | 5.00                      |                |                       |                     |
| 41                   | 84.122                 | B              | Secretary's Discretionary                                  | DOED   | 2.50                      | 1.50                      | 0.08           | 5.3                   |                     |
| 41                   | 84.123                 | B              | Law-Related Education                                      | DOED   | 2.00                      | 3.00                      |                |                       |                     |
| 41                   | 84.124                 | B              | Territorial Teacher Training Assistance Program            | DOED   | 2.00                      | 2.00                      |                |                       |                     |
| 41                   | 84.136                 | B              | Legal Training for the Disadvantaged                       | DOED   | 1.50                      | 1.50                      | 0.00           | 0.0                   |                     |
| 41                   | 84.151                 | A              | Improving School Programs--State Block Grants              | DOED   | 500.00                    | 500.00                    |                |                       |                     |
| 41                   | 84.153                 | B              | Business and International Education                       | DOED   | 2.20                      | 2.11                      | 0.00           | 0.0                   |                     |
| 41                   | 84.164                 | A              | State Grants for Strengthening Skills of Teachers...       | DOED   | 90.10                     | 72.80                     |                |                       |                     |
| 41                   | 84.165                 | B              | Magnet Schools Assistance                                  | DOED   | 75.00                     | 75.00                     |                |                       |                     |
| 41                   | 84.167                 | B              | Library Literacy                                           | DOED   | 0.00                      | 5.00                      |                |                       |                     |
| 41                   | 84.168                 | B              | Secretary's Discretionary Program for Mathematics...       | DOED   | 9.90                      | 8.03                      |                |                       |                     |
| 41                   | 84.170                 | B              | Jacob K. Javits Fellowships                                | DOED   | 2.50                      | 4.30                      |                |                       |                     |
| 41                   | 84.171                 | B              | Excellence in Education                                    | DOED   | 0.00                      |                           |                |                       | d                   |
| 41                   | 84.174                 | A              | Vocational Education--Community Based Organizations        | DOED   | 0.00                      | 6.00                      |                |                       |                     |
| 41                   | 84.176                 | A              | Paul Douglas Teacher Scholarships                          | DOED   |                           | 15.50                     |                |                       | b                   |
| 41                   | 84.185                 | A              | Robert C. Byrd Honors Scholarships                         | DOED   |                           | 7.24                      |                |                       | b                   |
| 41                   | 84.194                 | B              | Bilingual Education Support Services                       | DOED   |                           | 0.70                      |                |                       | b                   |
| 41                   | 84.195                 | B              | Bilingual Education Training Grants                        | DOED   |                           | 22.44                     |                |                       | b                   |
| 42                   | 13.790                 | A              | Work Incentive Program                                     | DIHS   | 256.21                    | 126.00                    |                |                       |                     |
| 42                   | 17.207                 | A              | Employment Service                                         | DOL    | 777.40                    | 755.20                    |                |                       |                     |
| 42                   | 17.235                 | A,B            | Senior Community Service Employment Program                | DOL    | 326.00                    | 336.00                    | 1.68           | 0.5                   |                     |
| 42                   | 17.245                 | D              | Trade Adjustment Assistance--Workers                       | DOL    | 69.03                     | 264.89                    |                |                       |                     |
| 42                   | 17.246                 | A              | Employment and Training Assistance--Dislocated Workers     | DOL    | 222.50                    | 200.00                    |                |                       |                     |
| 42                   | 17.247                 | A,B            | Migrant and Seasonal Farmworkers                           | DOL    | 65.47                     | 59.50                     | 0.30           | 0.5                   |                     |
| 42                   | 17.249                 | B              | Employment Services & Job Training--Pilot and Demo. Progs. | DOL    | 20.70                     | 31.62                     |                |                       |                     |
| 42                   | 17.250                 | A              | Job Training Partnership Act                               | DOL    | 2610.70                   | 2475.98                   |                |                       |                     |
| 42                   | 66.508                 | B              | Senior Environmental Employment Program                    | EPA    | 6.80                      | 11.29                     |                |                       |                     |
| 42                   | 81.084                 | B              | Minority Honors Vocational Training                        | DOE    | 0.15                      | 0.43                      | 0.00           | 0.0                   |                     |
| 42                   | 84.036                 | B              | Library Career Training                                    | DOED   | 0.64                      | 0.66                      | 0.00           | 0.00                  |                     |
| 42                   | 84.055                 | B              | Higher Education--Cooperative Education                    | DOED   | 14.40                     | 14.40                     | 1.99           | 13.8                  |                     |
| 42                   | 84.077                 | B,C            | Bilingual Vocational Training                              | DOED   | 2.76                      | 2.76                      | 0.00           | 0.0                   |                     |
| 42                   | 84.193                 | B              | Demonstration Centers...Retraining of Dislocated Workers   | DOED   |                           | 0.45                      |                |                       | b                   |
| 43                   | 13.110                 | B              | Maternal and Child Health...Programs                       | DIHS   | 71.69                     | 75.63                     |                |                       |                     |
| 43                   | 13.112                 | B              | Characterization of Environmental Health Hazards           | DIHS   | 22.17                     | 27.04                     | 0.08           | 0.3                   |                     |
| 43                   | 13.113                 | B              | Biological Response to Environmental Health Hazards        | DIHS   | 25.85                     | 26.68                     | 0.27           | 1.0                   |                     |
| 43                   | 13.114                 | B              | Applied Toxicological Research and Testing                 | DIHS   | 4.28                      | 5.93                      | 0.12           | 2.0                   |                     |
| 43                   | 13.115                 | B              | Biometry...Health Risks from Environmental Exposure        | DIHS   | 3.66                      | 5.29                      | 0.00           | 0.0                   |                     |
| 43                   | 13.116                 | B              | Project Grants...Tuberculosis Control Programs             | DIHS   | 5.00                      | 7.00                      |                |                       |                     |

| Econ-<br>omy<br>Code | Pro-<br>gram<br>Number | Object<br>Code | Program                                                     | Agency | Catalog<br>FY 85<br>Total | Catalog<br>FY 87<br>Total | Rural<br>Share | Per-<br>cent<br>Rural | Foot-<br>notes |
|----------------------|------------------------|----------------|-------------------------------------------------------------|--------|---------------------------|---------------------------|----------------|-----------------------|----------------|
|                      |                        |                |                                                             |        | ----- (millions) -----    |                           | -----          |                       |                |
| 43                   | 13.118                 | B              | Acquired Immunodeficiency Syndrome (AIDS) Activity          | DHHS   | 20.55                     | 136.00                    |                |                       |                |
| 43                   | 13.120                 | B              | Mental Health Services for Cuban Entrants                   | DHHS   | 9.20                      | 7.05                      |                |                       |                |
| 43                   | 13.121                 | B              | Diseases of the Teeth and Supporting Tissues                | DHHS   | 46.39                     | 57.20                     |                |                       |                |
| 43                   | 13.122                 | B              | Disorders of Craniofacial Structure and Function            | DHHS   | 15.33                     | 20.39                     | 0.08           | 0.4                   |                |
| 43                   | 13.125                 | B              | Mental Health Planning and Demonstration...                 | DHHS   | 13.00                     | 12.79                     |                |                       |                |
| 43                   | 13.128                 | B              | Refugee Assistance--Mental Health                           | DHHS   | 1.70                      | 1.60                      |                |                       |                |
| 43                   | 13.129                 | B              | Technical and Non-Financial Assistance to...Health Centers  | DHHS   | 2.70                      | 3.00                      |                |                       |                |
| 43                   | 13.130                 | B              | Primary Care Services--Planning...Cooperative Agreements    | DHHS   | 3.00                      | 3.96                      |                |                       |                |
| 43                   | 13.131                 | B              | Shared Research Facilities...Heart, Lung, & Blood Diseases  | DHHS   | 3.00                      | 2.25                      |                |                       |                |
| 43                   | 13.132                 | B              | Acquired Immunodeficiency Syndrome (AIDS) Research          | DHHS   | 0.00                      | 5.05                      |                |                       |                |
| 43                   | 13.133                 | B              | Health Services Delivery to Persons with AIDS               | DHHS   | 0.00                      | 10.00                     |                |                       |                |
| 43                   | 13.134                 | B              | Assistance for Organ Procurement Organizations              | DHHS   | 0.00                      | 2.69                      |                |                       |                |
| 43                   | 13.135                 | B              | Centers for Research...and Disease Prevention               | DHHS   |                           | 1.50                      |                |                       | b              |
| 43                   | 13.136                 | B              | Injury Control--Research and Demonstration...               | DHHS   |                           | 7.83                      |                |                       | b              |
| 43                   | 13.137                 | B              | Minority Community Health Coalition Demonstration           | DHHS   |                           | 1.15                      |                |                       | b              |
| 43                   | 13.138                 | A              | Protection and Advocacy for Mentally Ill Individuals        | DHHS   |                           | 10.30                     |                |                       | b              |
| 43                   | 13.141                 | A              | Alcohol, Drug Abuse Treatment...Block Grant                 | DHHS   |                           | 162.86                    |                |                       | b              |
| 43                   | 13.142                 | B              | NIEHS Hazardous Waste Worker...Training                     | DHHS   |                           | 9.94                      |                |                       | b              |
| 43                   | 13.143                 | B              | NIEHS Superfund Research Program                            | DHHS   |                           | 2.90                      |                |                       | b              |
| 43                   | 13.144                 | B              | Drug and Alcohol Abuse--High Risk youth...Grants            | DHHS   |                           | 24.00                     |                |                       | b              |
| 43                   | 13.145                 | B              | AIDS Education and Training Centers                         | DHHS   |                           | 1.99                      |                |                       | b              |
| 43                   | 13.146                 | A              | AIDS Drug Reimbursement                                     | DHHS   |                           | 30.00                     |                |                       | b              |
| 43                   | 13.150                 | A              | Mental Health Services for the Homeless Block Grant         | DHHS   |                           | 32.00                     |                |                       | b              |
| 43                   | 13.152                 | B              | ...Alcohol and Drug Abuse Treatment of Homeless Individuals | DHHS   |                           | 8.60                      |                |                       | b              |
| 43                   | 13.155                 | B              | Rural Health Policy/Research Centers                        | DHHS   |                           | 0.00                      |                |                       | b              |
| 43                   | 13.224                 | B              | Community Health Centers                                    | DHHS   | 382.41                    | 419.55                    | 68.81          | 16.4                  |                |
| 43                   | 13.225                 | B              | National Research Service Awards--Health...Training         | DHHS   | 0.00                      | 1.31                      |                |                       |                |
| 43                   | 13.226                 | B              | Health Services Research and Development Grants             | DHHS   | 6.17                      | 4.37                      | 0.00           | 0.0                   |                |
| 43                   | 13.242                 | B              | Mental Health Research Grants                               | DHHS   | 121.75                    | 160.36                    | 0.32           | 0.2                   |                |
| 43                   | 13.246                 | B              | Migrant Health Centers Grants                               | DHHS   | 44.30                     | 45.40                     | 5.95           | 13.1                  |                |
| 43                   | 13.260                 | B              | Family Planning--Personnel Training                         | DHHS   | 3.19                      | 3.69                      | 0.00           | 0.0                   |                |
| 43                   | 13.262                 | B              | Occupational Safety and Health Research Grants              | DHHS   | 6.50                      | 6.50                      | 0.00           | 0.0                   |                |
| 43                   | 13.268                 | B              | Childhood Immunization Grants                               | DHHS   | 42.28                     | 71.60                     |                |                       |                |
| 43                   | 13.271                 | B              | Alcohol Research Scientist Development and...Awards         | DHHS   | 1.01                      | 1.33                      | 0.00           | 0.0                   |                |
| 43                   | 13.272                 | B              | Alcohol National Research Service Awards/Research Training  | DHHS   | 1.50                      | 2.50                      | 0.07           | 2.7                   |                |
| 43                   | 13.273                 | B              | Alcohol Research Programs                                   | DHHS   | 27.49                     | 43.30                     | 0.00           | 0.0                   |                |
| 43                   | 13.277                 | B              | Drug Abuse Research Scientist Development and...Awards      | DHHS   | 1.71                      | 1.86                      | 0.00           | 0.0                   |                |
| 43                   | 13.278                 | B              | Drug Abuse National Research Service Awards...              | DHHS   | 1.50                      | 2.25                      |                |                       |                |
| 43                   | 13.279                 | B              | Drug Abuse Research Programs                                | DHHS   | 49.83                     | 87.92                     | 0.70           | 0.8                   |                |
| 43                   | 13.282                 | B              | Mental Health National Research Service Awards...Training   | DHHS   | 18.00                     | 18.93                     | 0.09           | 0.5                   |                |
| 43                   | 13.294                 | B              | Health Planning-Health Systems Agencies                     | DHHS   | 37.51                     |                           |                | 4.4                   | d              |
| 43                   | 13.297                 | B              | National Research Service Awards                            | DHHS   | 2.00                      |                           |                | 0.5                   | d              |
| 43                   | 13.306                 | B              | Laboratory Animal Sciences and Primate Research             | DHHS   | 43.30                     | 47.81                     | 0.38           | 0.8                   |                |
| 43                   | 13.333                 | B              | General Clinical Research Centers                           | DHHS   | 88.35                     | 88.88                     | 0.00           | 0.0                   |                |
| 43                   | 13.337                 | B              | Biomedical Research Support                                 | DHHS   | 96.07                     | 92.31                     | 0.74           | 0.8                   |                |
| 43                   | 13.361                 | B              | Nursing Research                                            | DHHS   | 9.40                      | 18.12                     | 0.00           | 0.0                   |                |
| 43                   | 13.371                 | B              | Biomedical Research Technology                              | DHHS   | 43.57                     | 41.90                     | 1.26           | 3.0                   |                |
| 43                   | 13.375                 | B              | Minority Biomedical Research Support                        | DHHS   | 24.95                     | 28.18                     |                |                       |                |
| 43                   | 13.381                 | B              | Health Professionals--Advanced Financial Distress           | DHHS   | 5.60                      |                           |                |                       | d              |
| 43                   | 13.389                 | B              | Research Centers in Minority Institutions                   | DHHS   | 5.00                      | 10.00                     |                |                       |                |
| 43                   | 13.393                 | B              | Cancer Cause and Prevention Research                        | DHHS   | 172.90                    | 225.42                    | 0.23           | 0.1                   |                |
| 43                   | 13.394                 | B              | Cancer Detection and Diagnosis Research                     | DHHS   | 38.27                     | 66.55                     | 0.20           | 0.3                   |                |
| 43                   | 13.395                 | B              | Cancer Treatment Research                                   | DHHS   | 200.85                    | 228.42                    | 0.69           | 0.3                   |                |
| 43                   | 13.396                 | B              | Cancer Biology Research                                     | DHHS   | 164.90                    | 191.83                    | 4.03           | 2.1                   |                |
| 43                   | 13.397                 | B              | Cancer Centers Support                                      | DHHS   | 84.96                     | 95.82                     | 0.67           | 0.7                   |                |
| 43                   | 13.399                 | B              | Cancer Control                                              | DHHS   | 37.12                     | 37.18                     | 0.26           | 0.7                   |                |
| 43                   | 13.600                 | B              | Administration for Children, Youth and Families--Head Start | DHHS   | 1074.56                   | 1130.34                   | 10.50          | 18.8                  |                |
| 43                   | 13.766                 | B              | Health Care Financing Research...and Experiments            | DHHS   | 34.56                     | 28.42                     | 0.04           | 0.1                   |                |

| Account<br>Agency<br>Code | Program<br>Number | Object<br>Code | Program                                                     | Agency | Catalog<br>FY 85 | Catalog<br>FY 87 | Rural<br>Share | Per-<br>cent | Foot-<br>notes |
|---------------------------|-------------------|----------------|-------------------------------------------------------------|--------|------------------|------------------|----------------|--------------|----------------|
|                           |                   |                |                                                             |        | Total            | Total            | (millions)     | Rural        |                |
| 43                        | 13.777            | A,B            | State Survey and Certification of Health Care Providers     | DHHS   | 86.68            | 102.07           | 1.05           |              |                |
| 43                        | 13.821            | B              | Biophysics and Physiological Sciences                       | DHHS   | 98.82            | 117.14           | 1.05           | 0.9          |                |
| 43                        | 13.824            | B              | Area Health Education Centers                               | DHHS   | 18.00            | 18.00            | 0.09           | 0.5          |                |
| 43                        | 13.837            | B              | Heart and Vascular Diseases Research                        | DHHS   | 415.67           | 479.69           | 0.48           | 0.1          |                |
| 43                        | 13.838            | B              | Lung Diseases Research                                      | DHHS   | 115.71           | 139.02           | 0.14           | 0.1          |                |
| 43                        | 13.839            | B              | Blood Diseases and Resources Research                       | DHHS   | 115.71           | 124.24           | 0.25           | 0.2          |                |
| 43                        | 13.845            | B              | Dental Research...Centers in Oral Biology                   | DHHS   | 7.60             | 7.00             | 0.00           | 0.0          |                |
| 43                        | 13.846            | B              | Arthritis, Musculoskeletal and Skin Diseases Research       | DHHS   | 96.66            | 125.18           | 0.13           | 0.1          |                |
| 43                        | 13.847            | B              | Diabetes, Endocrinology and Metabolism Research             | DHHS   | 174.91           | 217.07           | 2.17           | 1.0          |                |
| 43                        | 13.848            | B              | Digestive Diseases and Nutrition Research                   | DHHS   | 84.53            | 103.41           | 0.00           | 0.0          |                |
| 43                        | 13.849            | B              | Kidney Diseases, Urology and Nephatology Research           | DHHS   | 87.95            | 99.17            | 0.99           | 1.0          |                |
| 43                        | 13.853            | B              | Clinical Research Related to Neurological...Disorders       | DHHS   | 117.05           | 161.47           | 0.00           | 0.0          |                |
| 43                        | 13.854            | B              | Biological Basis Research in Neurosciences                  | DHHS   | 196.89           | 242.80           | 0.49           | 0.2          |                |
| 43                        | 13.855            | B              | Immunology, Allergic and Immunological Diseases Research    | DHHS   | 113.60           | 134.03           | 0.54           | 0.4          |                |
| 43                        | 13.856            | B              | Microbiology and Infectious Diseases Research               | DHHS   | 156.74           | 237.27           | 1.42           | 0.6          |                |
| 43                        | 13.859            | B              | Pharmacological Sciences                                    | DHHS   | 63.77            | 79.48            | 0.00           | 0.0          |                |
| 43                        | 13.862            | B              | Genetics Research                                           | DHHS   | 171.66           | 186.02           | 1.49           | 0.8          |                |
| 43                        | 13.863            | B              | Cellular and Molecular Basis of Disease Research            | DHHS   | 129.04           | 167.41           | 0.84           | 0.5          |                |
| 43                        | 13.864            | B              | Population Research                                         | DHHS   | 87.48            | 100.15           | 0.70           | 0.7          |                |
| 43                        | 13.865            | B              | Research for Mothers and Children                           | DHHS   | 151.55           | 170.66           | 1.19           | 0.7          |                |
| 43                        | 13.866            | B              | Aging Research                                              | DHHS   | 103.87           | 127.82           | 0.38           | 0.3          |                |
| 43                        | 13.867            | B              | Retinal and Choroidal Diseases Research                     | DHHS   | 61.33            | 77.96            | 0.00           | 0.0          |                |
| 43                        | 13.868            | B              | Anterior Segment Disease Research                           | DHHS   | 24.07            | 65.05            |                |              |                |
| 43                        | 13.869            | B              | Cataract Research                                           | DHHS   | 12.95            | 13.93            | 0.08           | 0.6          |                |
| 43                        | 13.870            | B              | Glaucoma Research                                           | DHHS   | 13.59            | 15.64            | 0.16           | 1.0          |                |
| 43                        | 13.871            | B              | Strabismus, Amblyopia and Visual Processing                 | DHHS   | 29.59            | 38.57            | 0.00           | 0.0          |                |
| 43                        | 13.879            | B              | Medical Library Assistance                                  | DHHS   | 10.19            | 11.90            | 0.05           | 0.4          |                |
| 43                        | 13.888            | B              | Home Health Services and Training                           | DHHS   | 3.00             | 0.00             | 0.00           | 31.5         |                |
| 43                        | 13.891            | B              | Alcohol Research Center Grants                              | DHHS   | 9.35             | 11.40            | 0.00           | 0.0          |                |
| 43                        | 13.894            | B              | Resource and Manpower Development in Env. Health Sciences   | DHHS   | 23.60            | 24.86            | 0.30           | 1.2          |                |
| 43                        | 13.969            | B              | Health Professions Special Education Initiatives            | DHHS   | 6.95             | 8.58             |                |              |                |
| 43                        | 13.974            | B              | Family Planning...Services Delivery Improvement...Grants    | DHHS   | 1.29             | 0.45             | 0.00           | 0.0          |                |
| 43                        | 13.977            | B              | Prev. Health Services Sexually Transmitted Diseases Control | DHHS   | 41.01            | 46.07            |                |              |                |
| 43                        | 13.978            | B              | Prevention Health Services--R&D...Education Grants          | DHHS   | 3.00             | 3.93             |                |              |                |
| 43                        | 13.982            | B              | Mental Health Disaster Assistance...                        | DHHS   | 0.65             | 0.98             |                |              |                |
| 43                        | 13.984            | B              | Grants for Establishment of Departments of Family Medicine  | DHHS   | 7.45             | 6.93             |                |              |                |
| 43                        | 13.985            | B              | Eye Research--Facility Construction                         | DHHS   | 3.30             | 2.25             | 0.00           | 0.0          |                |
| 43                        | 13.987            | B              | Health Programs for Refugees                                | DHHS   | 6.45             | 5.49             |                |              |                |
| 43                        | 13.988            | B              | Cooperative Agreement...Diabetes Control Program            | DHHS   | 4.78             | 5.00             |                |              |                |
| 43                        | 13.989            | B              | Senior International Awards Programs                        | DHHS   | 1.16             | 0.93             | 0.00           | 0.0          |                |
| 43                        | 13.990            | B              | National Health Promotion                                   | DHHS   | 0.66             | 0.58             |                |              |                |
| 43                        | 13.991            | A              | Preventive Health and Health Services Block                 | DHHS   | 89.00            | 89.00            |                |              |                |
| 43                        | 13.992            | A              | Alcohol and Drug Abuse...Block Grant                        | DHHS   | 490.00           | 508.86           |                |              |                |
| 43                        | 13.994            | A              | Maternal and Child Care Health Services Block Grant         | DHHS   | 406.00           | 421.12           |                |              |                |
| 43                        | 17.500            | B              | Occupational Safety and Health                              | DOL    | 57.40            | 59.04            |                |              |                |
| 43                        | 24.004            | B              | Appalachian Health Programs                                 | ARC    | 2.88             | 1.37             | 0.58           | 42.0         |                |
| 44                        | 10.405            | B              | Farm Labor Housing Loans and Grants (Grants)                | USDA   | 12.14            | 10.85            |                |              |                |
| 44                        | 10.417            | B              | Very Low-Income Housing Repair Loans/Grants (Grants)        | USDA   | 12.50            | 13.89            |                |              |                |
| 44                        | 10.420            | B              | Rural Self-Help Housing Technical Assistance                | USDA   | 10.75            | 13.40            | 4.03           | 30.1         |                |
| 44                        | 10.427            | C              | Rural Rental Assistance Payments                            | USDA   | 52.43            | 275.19           |                |              |                |
| 44                        | 10.433            | B              | Rural Housing Preservation Grants                           | USDA   | 0.00             | 19.14            |                |              |                |
| 44                        | 13.789            | A              | Low-Income Home Energy Assistance                           | DHHS   | 2097.66          | 1822.27          |                |              |                |
| 44                        | 14.103            | C              | Interest Reduction Payments--...Lower Income Families       | DIUD   | 619.08           | 637.82           |                |              |                |
| 44                        | 14.149            | C              | Rent Supplements--Rental Housing for Lower Income Families  | DIUD   | 65.67            | 47.70            |                |              |                |
| 44                        | 14.156            | C              | Lower Incoming Housing Assistance                           | DIUD   | 6618.05          | 11.27            |                |              |                |
| 44                        | 14.164            | B,C            | Operating Assistance for Troubled...Housing Projects        | DIUD   | 27.86            | 41.65            |                |              |                |
| 44                        | 14.169            | B              | Housing Counseling Assistance Program                       | DIUD   | 3.49             | 3.50             |                |              |                |
| 44                        | 14.170            | B              | Congregate Housing Services Program                         | DIUD   | 1.73             | 2.74             |                |              |                |

| Econ-<br>omy<br>Code | Pro-<br>gram<br>Number | Object<br>Code | Program                                                   | Agency | Catalog<br>FY 85       | Catalog<br>FY 87 | Rural<br>Share | Per-<br>cent<br>Rural | Foot-<br>notes |
|----------------------|------------------------|----------------|-----------------------------------------------------------|--------|------------------------|------------------|----------------|-----------------------|----------------|
|                      |                        |                |                                                           |        | Total                  | Total            |                |                       |                |
|                      |                        |                |                                                           |        | ----- (millions) ----- |                  |                |                       |                |
| 44                   | 14.174                 | B              | Housing Development and Grants                            | DHUD   | 314.60                 | 104.86           |                |                       |                |
| 44                   | 14.177                 | C              | Housing Voucher Program                                   | DHUD   |                        |                  |                |                       | j              |
| 44                   | 14.178                 | B,C            | Supportive Housing Demonstration Program                  | DHUD   |                        | 4.95             |                |                       | b              |
| 44                   | 14.230                 | A              | Rental Housing Rehabilitation                             | DHUD   | 152.60                 | 205.60           |                |                       |                |
| 44                   | 14.231                 | A              | Emergency Shelter Grants Program                          | DHUD   |                        | 10.00            |                |                       | b              |
| 44                   | 14.401                 | B              | Fair Housing Assistance Program--State and Local          | DHUD   | 4.70                   | 4.70             |                |                       |                |
| 44                   | 14.405                 | B              | Community Housing Resource Board Program                  | DHUD   | 1.85                   | 1.89             |                |                       |                |
| 44                   | 14.506                 | B              | General Research and Technology Activity                  | DHUD   |                        |                  |                |                       | f              |
| 44                   | 14.530                 | B              | Solar Energy and Energy Conservation Bank                 | DHUD   | 32.66                  | 2.90             |                |                       |                |
| 44                   | 14.850                 | C              | Public and Indian Housing                                 | DHUD   | 18772.43               | 3551.86          |                |                       | k              |
| 44                   | 18.851                 | C              | Low Income Housing--Homeownership Opportunities...        | DHUD   |                        |                  |                |                       | l              |
| 44                   | 14.852                 | B,C            | Pulic and Indian Housing--Comprehensive Program...        | DHUD   |                        |                  |                |                       | l              |
| 44                   | 23.005                 | B              | Appalachian Housing Project...Program                     | ARC    | 2.68                   | 0.85             |                |                       |                |
| 44                   | 81.042                 | A              | Weatherization Assistance for Low-Income Persons          | DOE    | 191.11                 | 161.36           |                |                       |                |
| 45                   | 10.068                 | C              | Rural Clean Water Program                                 | USDA   | 1.85                   | 0.00             | 0.00           | 53.0                  |                |
| 45                   | 66.001                 | B              | Air Pollution Control Program Support                     | EPA    | 90.49                  | 94.57            |                |                       |                |
| 45                   | 66.003                 | B              | Air Pollution Control Manpower Training                   | EPA    | 0.43                   | 0.27             | 0.00           | 0.0                   |                |
| 45                   | 66.419                 | A              | Water Pollution Control--State and Interstate...Support   | EPA    | 61.31                  | 71.10            |                |                       |                |
| 45                   | 66.432                 | A              | State Public Water System Supervision                     | EPA    | 28.42                  | 33.39            |                |                       |                |
| 45                   | 66.433                 | B              | State Underground Water Source Protection                 | EPA    | 8.31                   | 9.76             |                |                       |                |
| 45                   | 66.435                 | B              | Water Pollution Control--Lake Restoration...Agreements    | EPA    |                        | 4.50             |                |                       | b              |
| 45                   | 66.438                 | A              | Construction Management Assistance                        | EPA    | 96.12                  | 83.29            |                |                       |                |
| 45                   | 66.454                 | A              | Water Quality Management Planning                         | EPA    | 25.38                  | 23.91            |                |                       |                |
| 45                   | 66.456                 | B              | Natioanl Estuary Program                                  | EPA    | 2.40                   | 3.50             |                |                       |                |
| 45                   | 66.459                 | A              | Nonpoint Source Reservation                               | EPA    |                        | 1.31             |                |                       | b              |
| 45                   | 66.500                 | B              | Environmental Protection--Consolidated Research           | EPA    | 26.52                  | 27.10            | 0.00           | 0.0                   |                |
| 45                   | 66.501                 | B              | Air Pollution Control Research                            | EPA    | 12.69                  | 6.97             | 0.00           | 0.0                   |                |
| 45                   | 66.502                 | B              | Pesticides Control Research                               | EPA    | 1.57                   | 2.63             | 0.00           | 0.0                   |                |
| 45                   | 66.504                 | B              | Solid Waste Disposal Research                             | EPA    | 9.05                   | 9.80             | 1.73           | 17.7                  |                |
| 45                   | 66.505                 | B              | Water Pollution Control--Research, Dev., and Demo.        | EPA    | 6.91                   | 3.11             | 0.12           | 3.8                   |                |
| 45                   | 66.506                 | B              | Safe Drinking Water Research and Demonstration            | EPA    | 10.02                  | 7.09             | 0.11           | 1.5                   |                |
| 45                   | 66.507                 | B              | Tox Substances Research                                   | EPA    | 5.59                   | 7.49             | 0.00           | 0.0                   |                |
| 45                   | 66.600                 | A              | Environmental Protection Consolidated Grants...Support    | EPA    | 39.73                  | 28.01            |                |                       |                |
| 45                   | 66.700                 | B              | Pesticides Enforcement Program                            | EPA    | 12.30                  | 9.92             |                |                       |                |
| 45                   | 66.701                 | B              | Toxic Substances Compliance Monitoring Coop. Agreements   | EPA    | 1.50                   | 2.24             |                |                       |                |
| 45                   | 66.702                 | B              | Asbestos Hazards Abatement (Schools) Assistance (Grants)  | EPA    | 10.11                  | 13.20            |                |                       |                |
| 45                   | 66.801                 | A              | Hazardous Waste Management State Program Support          | EPA    | 46.66                  | 62.92            |                |                       |                |
| 45                   | 66.802                 | B              | Hazardous Substance Response Trust Fund                   | EPA    | 53.36                  | 165.37           |                |                       |                |
| 45                   | 66.804                 | B              | Staat Underground Storage Tanks Program                   | EPA    |                        | 6.90             |                |                       | b              |
| 45                   | 66.805                 | B              | Underground Storage Tank Trust Fund Program               | EPA    |                        | 16.00            |                |                       | b              |
| 46                   | 13.111                 | B              | Adolescent Family Life Research Grants                    | DHHS   | 1.50                   | 2.16             |                |                       |                |
| 46                   | 13.217                 | B              | Family Planning--Services                                 | DHHS   | 136.91                 | 136.00           |                |                       |                |
| 46                   | 13.608                 | B              | Admin for Children, Youth and Families--Chief Welfare R&D | DHHS   | 11.81                  | 7.79             | 0.13           | 1.7                   |                |
| 46                   | 13.623                 | B              | Admin. for Children, Youth...Runaway & Homeless Youth     | DHHS   | 23.17                  | 23.25            | 0.65           | 2.8                   |                |
| 46                   | 13.633                 | A              | Special Programs for the Aging...Senior Centers           | DHHS   | 265.00                 | 269.01           |                |                       |                |
| 46                   | 13.635                 | A              | Special Programs for the Aging...Nutrition Services       | DHHS   | 403.90                 | 420.06           |                |                       |                |
| 46                   | 13.645                 | A              | Child Welfare Services--State Grants                      | DHHS   | 200.00                 | 222.50           |                |                       |                |
| 46                   | 13.647                 | B              | Social Services Research and Demonstration                | DHHS   | 3.93                   | 3.55             |                |                       |                |
| 46                   | 13.652                 | B              | Admin. for Children, Youth and Families...Adoption...     | DHHS   | 2.00                   | 5.00             |                |                       |                |
| 46                   | 13.658                 | A              | Foster Care--Title IV-E                                   | DHHS   | 517.06                 | 719.18           |                |                       |                |
| 46                   | 13.659                 | A              | Adoption Assistance                                       | DHHS   | 35.35                  | 87.11            |                |                       |                |
| 46                   | 13.667                 | A              | Social Services Block Grant                               | DHHS   | 2700.00                | 2696.75          |                |                       |                |
| 46                   | 13.668                 | B              | Special Program for the Aging...Projects and Programs     | DHHS   | 24.73                  | 25.00            |                |                       |                |
| 46                   | 13.669                 | A              | Child Abuse and Neglect State Grants                      | DHSH   | 12.00                  | 12.00            |                |                       |                |
| 46                   | 13.670                 | B              | Child Abuse and Neglect Discretionary Activities          | DHHS   | 13.52                  | 13.90            |                |                       |                |
| 46                   | 13.671                 | A,B            | Family Violence Prevention and Services                   | DHHS   | 0.00                   | 8.47             |                |                       |                |
| 46                   | 13.672                 | A              | Child Abuse Challenge Grants                              | DHHS   |                        | 5.00             |                |                       | b              |
| 46                   | 13.673                 | A              | Grants to States for Planning...Dependent Care Programs   | DHHS   |                        | 4.85             |                |                       | b              |

| Econ-<br>omy<br>Code | Pro-<br>gram<br>Number | Object<br>Code | Program                                                     | Agency | Catalog<br>FY 85<br>Total | Catalog<br>FY 87<br>Total | Rural<br>Share | Per-<br>cent<br>Rural | Foot-<br>notes |
|----------------------|------------------------|----------------|-------------------------------------------------------------|--------|---------------------------|---------------------------|----------------|-----------------------|----------------|
|                      |                        |                |                                                             |        | (millions)                |                           |                |                       |                |
| 46                   | 13.674                 | A              | Independent Living (Transition from Foster Care)            | DHHS   |                           | 45.00                     |                |                       | b              |
| 46                   | 13.995                 | B              | Adolescent Family Life--Demonstration Projects              | DHHS   | 11.74                     | 9.95                      |                |                       |                |
| 46                   | 72.001                 | B              | The Foster Grandparent Program                              | ACT    | 56.10                     | 56.10                     | 5.89           | 10.5                  |                |
| 46                   | 72.002                 | B              | Retired Senior Volunteer Program (RSVP)                     | ACT    | 29.62                     | 29.60                     | 5.86           | 19.8                  |                |
| 46                   | 72.005                 | B              | Service-Learning Programs                                   | ACT    | 1.75                      | 1.37                      |                |                       |                |
| 46                   | 72.008                 | B              | Senior Companion Program                                    | ACT    | 18.09                     | 20.38                     | 2.38           | 11.7                  |                |
| 46                   | 72.010                 | B              | Mini-Grant Program                                          | ACT    | 0.15                      | 0.05                      | 0.00           | 0.8                   |                |
| 46                   | 72.011                 | B              | State Office of Voluntarism                                 | ACT    | 0.52                      | 0.17                      |                |                       |                |
| 46                   | 72.012                 | B              | Volunteer Demonstration Program                             | ACT    | 1.12                      | 0.17                      | 0.00           | 1.1                   |                |
| 46                   | 72.013                 | B              | Technical Assistance Program                                | ACT    | 0.02                      | 0.04                      |                |                       |                |
| 46                   | 84.132                 | B              | Centers for Independent Living                              | DOED   | 22.00                     | 24.32                     |                |                       |                |
| 46                   | 84.192                 | A              | Adult Education for Homeless                                | DOED   |                           | 6.90                      |                |                       | b              |
| 47                   | 16.540                 | A              | Juvenile Justice and Delinquency Prevention--...States      | DOJ    | 40.73                     | 40.75                     |                |                       |                |
| 47                   | 16.541                 | B              | Juvenile Justice and Delinq. Prevention--Special Emphases   | DOJ    | 14.78                     | 14.34                     | 0.00           | 0.0                   |                |
| 47                   | 16.542                 | B              | National Institute for...Delinquency Prevention             | DOJ    | 8.10                      | 7.37                      | 0.00           | 0.0                   |                |
| 47                   | 16.543                 | B              | Missing Children's Assistance                               | DOJ    | 0.20                      | 4.90                      |                |                       |                |
| 47                   | 16.550                 | B              | Criminal Justice Statistics Development                     | DOJ    | 1.90                      | 2.23                      |                |                       |                |
| 47                   | 16.560                 | B              | Justice Research and Development Project Grants             | DOJ    | 20.12                     | 18.27                     | 0.88           | 4.8                   |                |
| 47                   | 16.561                 | B              | National Institute of Justice Visiting Fellowships          | DOJ    | 0.24                      | 0.39                      |                |                       |                |
| 47                   | 16.562                 | B              | Criminal Justice R&D--Graduate Research Fellowships         | DOJ    | 0.03                      | 0.11                      |                |                       |                |
| 47                   | 16.571                 | D              | Public Safety Officers' Death Benefit Program               | DOJ    | 11.26                     | 9.30                      |                |                       |                |
| 47                   | 16.572                 | B              | Maribel--Cubans                                             | DOJ    | 5.00                      | 5.00                      |                |                       |                |
| 47                   | 16.573                 | A              | Criminal Justice Block Grants                               | DOJ    | 29.36                     | 45.16                     |                |                       |                |
| 47                   | 16.574                 | B              | Criminal Justice Discretionary Grants                       | DOJ    | 3.74                      | 9.89                      | 0.97           | 9.8                   |                |
| 47                   | 16.575                 | A              | Crime Victim Assistance                                     | DOJ    | 0.00                      | 30.75                     |                |                       |                |
| 47                   | 16.576                 | A              | Crime Victim Compensation                                   | DOJ    | 0.00                      | 24.61                     |                |                       |                |
| 47                   | 16.577                 | B              | Emergency Federal Law Enforcement Assistance                | DOJ    | 0.00                      | 0.00                      |                |                       |                |
| 47                   | 16.579                 | A              | State and Local Narcotics Control Assistance                | DOJ    |                           | 148.28                    |                |                       | b              |
| 47                   | 16.581                 | B              | Drug Law Enforcement Program--Prison Capacity               | DOJ    |                           | 2.00                      |                |                       | b              |
| 47                   | 16.601                 | B              | Corrections--Training and Staff Development                 | DOJ    | 3.29                      | 1.91                      | 1.52           | 79.7                  |                |
| 47                   | 16.602                 | B              | Corrections--Research and Evaluation and Policy Formulation | DOJ    | 1.67                      | 1.11                      | 0.04           | 3.6                   |                |
| 47                   | 16.603                 | B              | Corrections--Technical Assistance/Clearinghouse             | DOJ    | 5.20                      | 2.15                      | 1.72           | 79.8                  |                |
| 48                   | 13.103                 | B              | Food and Drug Administration--Research                      | DHHS   | 5.49                      | 7.37                      |                |                       |                |
| 48                   | 13.630                 | A              | Administration on Developmental Disabilities--Basic Support | DHHS   | 64.00                     | 72.00                     |                |                       |                |
| 48                   | 13.775                 | A              | State Medicaid Fraud Control Units                          | DHHS   | 38.56                     | 43.15                     |                |                       |                |
| 48                   | 13.787                 | D              | Refugee...Assistance--State Administered Programs           | DHHS   | 469.28                    | 321.69                    |                |                       |                |
| 48                   | 13.788                 | B              | Refugee Assistance--Voluntary Agency Programs               | DHHS   | 4.83                      | 5.83                      |                |                       |                |
| 48                   | 13.792                 | A              | Community Services Block Grant                              | DHHS   | 368.14                    | 335.00                    |                |                       |                |
| 48                   | 13.793                 | C              | Community Services Block Grant--Discretionary Awards        | DHHS   | 33.14                     | 29.74                     |                |                       |                |
| 48                   | 13.797                 | B              | Community Services Block Grant...Demonstration Partnerships | DHHS   |                           | 1.00                      |                |                       | b              |
| 48                   | 16.580                 | B              | Narcotics Control Discretionary Grant Program               | DOJ    |                           | 43.38                     |                |                       | b              |
| 48                   | 16.582                 | B,C            | Crime Victim Assistance/Discretionary Grants                | DOJ    |                           | 0.61                      |                |                       | b              |
| 48                   | 17.248                 | B              | Employment and Training R&D Projects                        | DOL    | 3.85                      | 14.41                     |                |                       |                |
| 48                   | 30.002                 | C              | Employment Discrimination--State and Local...Contracts      | EEOC   | 18.67                     | 19.96                     |                |                       |                |
| 48                   | 45.001                 | B,C            | Design Arts                                                 | NEA    | 4.37                      | 4.45                      |                |                       |                |
| 48                   | 45.002                 | B,C            | Dance                                                       | NEA    | 9.00                      | 9.12                      |                |                       |                |
| 48                   | 45.003                 | B              | Arts in Education                                           | NEA    | 5.44                      | 5.39                      |                |                       |                |
| 48                   | 45.004                 | B              | Literature                                                  | NEA    | 5.13                      | 5.03                      |                |                       |                |
| 48                   | 45.005                 | B              | Music                                                       | NEA    | 15.31                     | 15.19                     |                |                       |                |
| 48                   | 45.006                 | B              | Media Arts: Film/Radio/Television                           | NEA    | 10.11                     | 12.91                     |                |                       |                |
| 48                   | 45.007                 | A,B            | State Program                                               | NEA    | 24.37                     | 24.59                     |                |                       |                |
| 48                   | 45.008                 | B              | Theater                                                     | NEA    | 10.64                     | 10.78                     |                |                       |                |
| 48                   | 45.009                 | B              | Visual Arts                                                 | NEA    | 6.20                      | 6.22                      |                |                       |                |
| 48                   | 45.010                 | B              | Expansion Arts                                              | NEA    | 6.95                      | 6.75                      |                |                       |                |
| 48                   | 45.011                 | B              | Inter-Arts                                                  | NEA    | 4.35                      | 4.04                      |                |                       |                |
| 48                   | 45.012                 | B              | Museums                                                     | NEA    | 11.89                     | 11.50                     |                |                       |                |
| 48                   | 45.013                 | B              | Challenge Grants                                            | NEA    | 20.58                     | 20.80                     |                |                       |                |
| 48                   | 45.014                 | B              | Opera-Musical Theater                                       | NEA    | 5.95                      | 5.82                      |                |                       |                |

| Econ-<br>omy<br>Code                              | Pro-<br>gram<br>Number | Object<br>Code | Program                                                   | Agency | Catalog<br>FY 85<br>Total | Catalog<br>FY 87<br>Total | Rural<br>Share | Per-<br>cent<br>Rural | Foot-<br>notes |
|---------------------------------------------------|------------------------|----------------|-----------------------------------------------------------|--------|---------------------------|---------------------------|----------------|-----------------------|----------------|
|                                                   |                        |                |                                                           |        | ----- (millions) -----    |                           |                |                       |                |
| 48                                                | 45.015                 | B              | Folk Arts                                                 | NEA    | 3.13                      | 3.00                      |                |                       |                |
| 48                                                | 45.021                 | B              | Arts Administration Fellows Program                       | NEA    | 0.16                      | 0.18                      |                |                       |                |
| 48                                                | 45.022                 | B              | Advancement Grants                                        | NEA    | 2.24                      | 2.47                      |                |                       |                |
| 48                                                | 45.023                 | B              | Local Programs                                            | NEA    | 2.26                      | 2.26                      |                |                       |                |
| 48                                                | 45.104                 | B              | Humanities Projects in Media                              | NEH    | 8.71                      | 8.86                      | 0.40           | 4.5                   |                |
| 48                                                | 45.111                 | B              | Exemplary Projects...Programs for Nontraditional Learners | NEH    | 5.03                      | 4.30                      | 0.07           | 1.6                   |                |
| 48                                                | 45.113                 | B              | Public Humanities Projects                                | NEH    | 1.56                      | 2.14                      | 0.01           | 0.7                   |                |
| 48                                                | 45.124                 | B              | Reference Materials/Access                                | NEH    | 4.67                      | 2.52                      |                |                       |                |
| 48                                                | 45.125                 | B              | Projects in Museums and Historical Organizations          | NEH    | 8.97                      | 8.69                      | 0.17           | 1.9                   |                |
| 48                                                | 45.129                 | B              | State Programs                                            | NEH    | 21.41                     | 21.00                     |                |                       |                |
| 48                                                | 45.130                 | B              | Challenge Grants                                          | NEH    | 19.60                     | 16.50                     | 0.20           | 1.2                   |                |
| 48                                                | 45.132                 | B              | Texts/Publication Subvention                              | NEH    | 0.33                      | 0.34                      | 0.00           | 0.0                   |                |
| 48                                                | 45.133                 | B              | Interpretive Research/Humanities, Science and Technology  | NEH    | 0.70                      | 0.70                      | 0.00           | 0.0                   |                |
| 48                                                | 45.134                 | B              | Regrants/Conferences                                      | NEH    | 0.35                      | 0.45                      | 0.02           | 4.4                   |                |
| 48                                                | 45.137                 | B              | Humanities Projects in Libraries                          | NEH    | 2.77                      | 2.90                      | 0.08           | 2.8                   |                |
| 48                                                | 45.140                 | B              | Interpretive Research Projects                            | NEH    | 3.21                      | 2.89                      | 0.05           | 1.8                   |                |
| 48                                                | 45.145                 | B              | Reference Materials/Tools                                 | NEH    | 3.37                      | 2.79                      | 0.01           | 0.3                   |                |
| 48                                                | 45.146                 | B              | Texts/Editions                                            | NEH    | 2.71                      | 2.55                      | 0.00           | 0.0                   |                |
| 48                                                | 45.147                 | B              | Texts/Translations                                        | NEH    | 1.11                      | 0.92                      | 0.00           | 0.0                   |                |
| 48                                                | 45.148                 | B              | Regrants Program/International Research                   | NEH    | 2.20                      | 2.17                      | 0.00           | 0.0                   |                |
| 48                                                | 45.149                 | B              | Office of Preservation                                    | NEH    | 1.32                      | 4.13                      | 0.00           | 0.0                   |                |
| 48                                                | 45.152                 | B              | Travel to Collections                                     | NEH    | 0.21                      | 0.23                      |                |                       |                |
| 48                                                | 45.153                 | B              | Regrants Program/Selected Areas                           | NEH    | 0.00                      | 0.15                      |                |                       |                |
| 48                                                | 47.041                 | B              | Engineering Grants                                        | NSF    | 150.63                    | 163.08                    | 1.96           | 1.2                   |                |
| 48                                                | 47.049                 | B              | Mathematical and Physical Sciences                        | NSF    | 424.42                    | 407.27                    | 2.04           | 0.5                   |                |
| 48                                                | 47.050                 | B              | Geosciences                                               | NSF    | 205.99                    | 221.94                    | 5.33           | 2.4                   |                |
| 48                                                | 47.051                 | B              | Biological, Behavioral, and Social Sciences               | NSF    | 253.51                    | 259.31                    | 3.11           | 1.2                   |                |
| 48                                                | 47.053                 | B              | Scientific, Technological, and International Affairs      | NSF    | 37.65                     | 33.57                     | 1.07           | 3.2                   |                |
| 48                                                | 47.068                 | B              | Studies and Program Assessment                            | NSF    | 1.75                      | 2.20                      |                |                       |                |
| 48                                                | 47.069                 | B              | Research Initiation and Improvement                       | NSF    | 7.09                      | 10.94                     |                |                       |                |
| 48                                                | 84.004                 | B              | Civil Rights Technical Assistance and Training            | DOED   | 24.00                     | 23.00                     |                |                       |                |
| 48                                                | 84.013                 | A              | Neglected and Delinquent Children                         | DOED   | 32.62                     | 32.26                     |                |                       |                |
| 48                                                | 84.037                 | C,D            | National Defense/National Direct...Loan Cancellations     | DOED   | 20.07                     | 22.00                     |                |                       |                |
| 48                                                | 84.039                 | B              | Library Research and Demonstration                        | DOED   | 0.36                      | 0.35                      |                |                       |                |
| 48                                                | 84.051                 | B              | National Vocational Education Research                    | DOED   | 6.68                      | 7.05                      | 0.00           | 0.0                   |                |
| 48                                                | 84.117                 | B              | Educational Research and Development                      | DOED   | 20.50                     | 20.02                     | 0.00           | 0.0                   |                |
| 48                                                | 84.148                 | B              | Allen J. Ellender Fellowship Program                      | DOED   | 1.50                      |                           |                |                       | d              |
| 48                                                | 84.178                 | B              | Leadership in Educational Administration Development      | DOED   |                           | 14.35                     |                |                       | b              |
| 48                                                | 84.184                 | B              | National Program for Drug-Free Schools and Communities    | DOED   |                           | 12.20                     |                |                       | b              |
| 48                                                | 84.186                 | A              | Drug-Free Schools and Communities--State Grants           | DOED   |                           | 161.05                    |                |                       | b              |
| 48                                                | 84.188                 | B              | Drug-Free Schools and Communities--Regional Centers       | DOED   |                           | 8.50                      |                |                       | b              |
| 48                                                | 84.190                 | B              | Christa McAuliffe Fellowships                             | DOED   |                           | 2.00                      |                |                       | b              |
| Subtotal                                          |                        |                |                                                           |        | 58574.93                  | 39801.85                  | 1581.03        |                       |                |
| 1987 Total Dollars for Programs with Rural Shares |                        |                |                                                           |        |                           | 16926.76                  |                |                       |                |
| Percent of Program Funds to Rural Counties        |                        |                |                                                           |        |                           |                           |                | 9.3                   |                |
| GENERAL ENTITLEMENT                               |                        |                |                                                           |        |                           |                           |                |                       |                |
| 51                                                | 13.802                 | D              | Social Security--Disability Insurance                     | DIHS   | 18634.73                  | 20655.28                  | 3841.88        | 18.6                  |                |
| 51                                                | 13.803                 | D              | Social Security--Retirement Insurance                     | DIHS   | 128192.40                 | 140805.95                 | 22951.37       | 16.3                  |                |
| 51                                                | 13.804                 | D              | Social Security--Special Benefits...Aged 72 and Over      | DIHS   | 60.00                     | 38.00                     |                |                       |                |
| 51                                                | 13.805                 | D              | Social Security--Survivors Insurance                      | DIHS   | 38300.00                  | 41966.00                  | 7595.85        | 18.1                  |                |
| 51                                                | 13.807                 | D              | Supplemental Security Income                              | DIHS   | 8539.30                   | 9815.00                   | 2080.78        | 21.2                  |                |
| 52                                                | 13.714                 | A              | Medical Assistance Program                                | DIHS   | 22677.39                  | 27520.74                  | 5063.82        | 18.4                  |                |
| 52                                                | 13.773                 | C              | Medicare--Hospital Insurance                              | DIHS   | 47710.00                  | 49803.84                  | 9163.91        | 18.4                  |                |

| Econ-<br>omy<br>Code | Pro-<br>gram<br>Number | Object<br>Code | Program                                                   | Agency | Catalog<br>FY 85<br>Total | Catalog<br>FY 87<br>Total | Rural<br>Share | Per-<br>cent<br>Rural | Foot-<br>notes |
|----------------------|------------------------|----------------|-----------------------------------------------------------|--------|---------------------------|---------------------------|----------------|-----------------------|----------------|
| 52                   | 13.774                 | C              | Medicare--Supplementary Medicare Insurance                | DIHS   | 21807.89                  | 29931.83                  | 5028.55        | 16.8                  |                |
| 54                   | 13.780                 | A              | Family's Support Payments to States--Assistance Payments  | DIHS   | 8539.89                   | 10135.56                  | 1074.37        | 10.6                  |                |
| 54                   | 13.782                 | B              | Assistance Payments--Research                             | DIHS   | 2.57                      | 3.43                      |                |                       |                |
| 54                   | 13.783                 | A              | Child Support Enforcement                                 | DIHS   | 576.56                    | 730.28                    | 80.33          | 11.0                  |                |
| 54                   | 13.784                 | B              | Child Support Enforcement Research                        | DIHS   | 0.46                      | 0.94                      |                |                       |                |
| 54                   | 13.785                 | B              | Child Support Enforcement Interstate Grants               | DIHS   | 7.00                      | 11.57                     |                |                       |                |
| 55                   | 10.551                 | C              | Food Stamps                                               | USDA   | 10775.84                  | 10516.87                  | 2071.82        | 19.7                  |                |
| 55                   | 10.553                 | A              | School Breakfast Program                                  | USDA   | 407.00                    | 468.27                    |                |                       |                |
| 55                   | 10.555                 | A              | National School Lunch Program                             | USDA   | 2659.71                   | 3000.84                   |                |                       |                |
| 55                   | 10.556                 | A              | Special Milk Program for Children                         | USDA   | 15.51                     | 17.45                     |                |                       |                |
| 55                   | 10.557                 | A              | Special Supp. Food Program...Women, Infants, and Children | USDA   | 1504.23                   | 1661.55                   |                |                       |                |
| 55                   | 10.558                 | A              | Child Care Food Program                                   | USDA   | 434.85                    | 551.31                    |                |                       |                |
| 55                   | 10.559                 | A              | Summer Food Service Program for Children                  | USDA   | 115.10                    | 127.97                    |                |                       |                |
| 55                   | 10.560                 | A              | State Admin. Expenses for Child Nutrition                 | USDA   | 46.88                     | 49.79                     |                |                       |                |
| 55                   | 10.561                 | A              | State Admin. Matching Grants for Food Stamp Programs      | USDA   | 912.30                    | 993.24                    |                |                       |                |
| 55                   | 10.564                 | A              | Nutrition Education and Training Program                  | USDA   | 5.00                      | 4.99                      |                |                       |                |
| 55                   | 10.565                 | A,B            | Commodity Supplemental Food Program                       | USDA   | 35.09                     | 41.07                     |                |                       |                |
| 55                   | 10.566                 | C              | Nutrition Assistance for Puerto Rico                      | USDA   | 825.00                    | 852.75                    |                |                       |                |
| 55                   | 10.567                 | B              | Food Distribution Program on Indian Reservations          | USDA   | 14.62                     | 14.81                     |                |                       |                |
| 55                   | 10.568                 | A              | Temporary Emergency Food Assistance (Admin. Costs)        | USDA   | 56.76                     | 50.00                     |                |                       |                |
| 55                   | 13.795                 | A,C            | Community Services Block Grant...Food and Nutrition       | DIHS   |                           | 2.50                      |                |                       |                |
| 56                   | 17.225                 | A,D            | Unemployment Insurance                                    | DOL    | 17535.46                  | 17156.25                  |                |                       |                |
|                      |                        |                | Subtotal                                                  |        | 330391.54                 | 366928.08                 | 58452.67       |                       |                |

1987 Total Dollars for Programs with Rural Shares  
Percent of Program Funds to Rural Counties

341881.35

17.2

#### SPECIAL GROUPS

|    |        |     |                                                             |      |         |         |         |      |  |
|----|--------|-----|-------------------------------------------------------------|------|---------|---------|---------|------|--|
| 61 | 17.801 | A   | Disabled Veterans Outreach Program                          | DOL  | 59.20   | 68.14   |         |      |  |
| 61 | 17.802 | B   | Veterans Employment Program                                 | DOL  | 9.67    | 10.06   |         |      |  |
| 61 | 17.804 | A   | Local Veterans Employment Representation Program            | DOL  | 50.35   | 56.23   |         |      |  |
| 61 | 64.014 | A   | Veterans State Domiciliary Care                             | VA   | 11.84   | 13.92   | 2.20    | 15.8 |  |
| 61 | 64.015 | A   | Veterans State Nursing Home Care                            | VA   | 48.28   | 54.29   | 12.43   | 22.9 |  |
| 61 | 64.016 | A   | Veterans State Hospital Care                                | VA   | 3.12    | 3.30    | 0.00    | 0.1  |  |
| 61 | 64.100 | C   | Automobiles and Adaptive Equipment for Certain Disab. Vets. | VA   | 14.89   | 16.01   | 2.21    | 13.8 |  |
| 61 | 64.101 | C   | Burial Expenses Allowance for Veterans                      | VA   | 132.57  | 125.07  | 22.27   | 21.8 |  |
| 61 | 64.102 | D   | Compensation for Service-Connected Deaths for Dependents    | VA   | 31.51   | 23.76   | 7.06    | 29.7 |  |
| 61 | 64.104 | D   | Pension for Non-Service-Connected Disability for Veterans   | VA   | 2509.98 | 2478.15 | 758.31  | 30.6 |  |
| 61 | 64.105 | D   | Pension to Veterans Surviving Spouses, and Children         | VA   | 1336.88 | 1314.49 | 365.43  | 27.8 |  |
| 61 | 64.106 | C   | Specially Adapted Housing for Disabled Veterans             | VA   | 15.81   | 14.36   | 2.10    | 14.6 |  |
| 61 | 64.109 | D   | Veterans Compensation for Service-Connected Disability      | VA   | 8274.28 | 8428.42 | 1601.40 | 19.0 |  |
| 61 | 64.110 | D   | Veterans Dependency and Indemnity Compensation...           | VA   | 1926.48 | 2038.55 | 352.67  | 17.5 |  |
| 61 | 64.111 | C   | Veterans Educational Assistance                             | VA   | 885.04  | 522.07  | 69.96   | 13.4 |  |
| 61 | 64.116 | C,D | Vocational Rehabilitation for Disabled Veterans             | VA   | 107.48  | 105.95  | 16.53   | 15.6 |  |
| 61 | 64.117 | C   | Dependent's Educational Assistance                          | VA   | 144.74  | 116.39  | 18.74   | 16.1 |  |
| 61 | 64.120 | C   | Post-Vietnam Era Veterans' Educational Assistance           | VA   | 83.27   | 169.51  | 19.66   | 11.6 |  |
| 61 | 64.121 | C   | Veterans' Job Training Act                                  | VA   | 58.82   | 36.75   |         |      |  |
| 61 | 64.123 | C   | Vocational Training...Veterans Receiving Pension            | VA   | 0.01    | 0.30    |         |      |  |
| 61 | 64.124 | C   | All-Volunteer Force Educational Assistance                  | VA   | 0.00    | 0.11    |         |      |  |
| 61 | 64.202 | C   | Procurement of Headstones and Markers                       | VA   | 16.65   | 16.87   |         |      |  |
| 61 | 64.203 | B   | State Cemetery Grants                                       | VA   | 1.03    | 6.53    |         |      |  |
| 61 | 84.064 | C   | Higher Education--Veterans Education Outreach Program       | DOED | 3.00    | 3.00    | 0.16    | 5.2  |  |
| 62 | 13.631 | B   | Administration on Dev. Disabilities--National Significance  | DIHS | 2.70    | 2.50    | 0.13    | 5.3  |  |
| 62 | 13.632 | B   | Admin...Developmental Disabilities--University Affiliated   | DIHS | 9.00    | 9.19    | 0.36    | 3.9  |  |
| 62 | 84.009 | A   | Education of Handicapped Children in State...Schools        | DOED | 150.17  | 150.17  |         |      |  |

| Econ-<br>omy<br>Code | Pro-<br>gram<br>Number | Object<br>Code | Program                                                      | Agency | Catalog<br>FY 85<br>Total | Catalog<br>FY 87<br>Total | Rural<br>Share | Per-<br>cent<br>Rural | Foot-<br>notes |
|----------------------|------------------------|----------------|--------------------------------------------------------------|--------|---------------------------|---------------------------|----------------|-----------------------|----------------|
|                      |                        |                |                                                              |        | ----- (millions) -----    |                           |                |                       |                |
| 62                   | 84.023                 | B              | Handicapped--Innovation and Development                      | DOED   | 16.00                     | 18.00                     | 0.54           | 3.0                   |                |
| 62                   | 84.024                 | B              | Handicapped Early Childhood Education                        | DOED   | 22.50                     | 24.47                     | 2.72           | 11.1                  |                |
| 62                   | 84.025                 | B              | Handicapped Education--Deaf-Blind Centers                    | DOED   | 15.00                     | 15.00                     | 0.00           | 0.0                   |                |
| 62                   | 84.026                 | B,C            | Handicapped Media Services and Captioned Films               | DOED   | 16.50                     | 13.80                     | 0.00           | 0.0                   |                |
| 62                   | 84.027                 | A              | Handicapped--State Grants                                    | DOED   | 1245.22                   | 1338.00                   |                |                       |                |
| 62                   | 84.028                 | B              | Handicapped Regional Resource and Federal Centers            | DOED   | 6.00                      | 6.70                      |                |                       |                |
| 62                   | 84.029                 | B              | Special Education Personnel Development                      | DOED   | 61.00                     | 67.73                     | 3.05           | 4.5                   |                |
| 62                   | 84.030                 | B              | Clearinghouse for the Handicapped Program                    | DOED   | 1.00                      | 1.20                      | 0.00           | 0.0                   |                |
| 62                   | 84.078                 | B              | Post secondary Education Programs for Handicapped Persons    | DOED   | 5.30                      | 5.90                      | 2.30           | 39.0                  |                |
| 62                   | 84.086                 | B              | Handicapped Education--Severely Handicapped Program          | DOED   | 4.30                      | 5.30                      | 0.00           | 0.0                   |                |
| 62                   | 84.126                 | A              | Rehabilitation Services--Basic Support                       | DOED   | 1100.00                   | 1277.79                   |                |                       |                |
| 62                   | 84.128                 | B              | Rehabilitation Services--Service Projects                    | DOED   | 33.52                     | 47.96                     |                |                       |                |
| 62                   | 84.129                 | B              | Rehabilitation Training                                      | DOED   | 22.00                     | 28.65                     |                |                       |                |
| 62                   | 84.133                 | B              | National Institute... Disability and Rehabilitation Research | DOED   | 39.26                     | 48.50                     | 1.07           | 2.2                   |                |
| 62                   | 84.155                 | A              | Removal of Architectural Barriers to the Handicapped         | DOED   | 0.00                      | 39.06                     |                |                       |                |
| 62                   | 84.158                 | B              | Secondary Educat. and Transitional Serv./Handicapped Youth   | DOED   | 6.33                      | 7.30                      | 0.40           | 5.5                   |                |
| 62                   | 84.159                 | B              | Handicapped--Special Studies                                 | DOED   | 3.17                      | 3.80                      |                |                       |                |
| 62                   | 84.160                 | B              | Training Interpreters for Deaf Individuals                   | DOED   | 0.90                      | 0.90                      |                |                       |                |
| 62                   | 84.161                 | A              | Client Assistance for Handicapped Individuals                | DOED   | 6.30                      | 7.10                      |                |                       |                |
| 62                   | 84.173                 | A              | Handicapped--Preschool Incentive Grant                       | DOED   | 27.63                     | 180.00                    |                |                       |                |
| 62                   | 84.180                 | B              | Technology, Educational Media...for the Handicapped          | DOED   |                           | 4.70                      |                |                       | b              |
| 62                   | 84.181                 | B              | Handicapped Infants and Toddlers                             | DOED   |                           | 50.00                     |                |                       | b              |
| 62                   | 84.187                 | A              | Supported Employment Services for...Severe Handicaps         | DOED   |                           | 25.00                     |                |                       | b              |
| 63                   | 13.806                 | D              | Special Benefits for Disabled Coal Miners                    | DIHS   | 1027.13                   | 950.25                    | 58.24          | 37.7                  |                |
| 63                   | 13.965                 | B              | Coal Miners' Respiratory Impairment...Services               | DIHS   | 3.30                      | 3.40                      |                |                       |                |
| 63                   | 17.307                 | D              | Coal Mine Workers' Compensation                              | DOI    | 583.42                    | 593.20                    | 32.53          | 39.2                  |                |
| 64                   | 11.801                 | B              | American Indian Program                                      | DOC    |                           | 1.58                      |                |                       | m              |
| 64                   | 13.123                 | B              | Health Professions Pregraduate Scholarship...for Indians     | DIHS   | 0.77                      | 1.07                      |                |                       |                |
| 64                   | 13.228                 | B              | Indian Health Services--Health Management Devel. Program     | DIHS   | 9.19                      | 9.82                      | 4.80           | 48.9                  |                |
| 64                   | 13.612                 | B              | Native American Programs--Financial Assistance Grants        | DIHS   | 27.30                     | 27.30                     | 11.85          | 43.4                  |                |
| 64                   | 13.655                 | B              | Spec. Progs. for the Aging--...Part "A" Indian Programs      | DIHS   | 7.50                      | 7.44                      | 5.19           | 69.8                  |                |
| 64                   | 13.661                 | B              | Native American Programs--Research, Demo. and Evaluation     | DIHS   | 0.70                      | 0.69                      | 0.47           | 68.5                  |                |
| 64                   | 13.662                 | B              | Native American Programs--Training and Tech. Assistance      | DIHS   | 1.00                      | 1.00                      | 0.12           | 11.5                  |                |
| 64                   | 13.970                 | B              | Health Professions Recruitment Program for Indians           | DIHS   | 0.53                      | 0.56                      |                |                       |                |
| 64                   | 13.971                 | B              | Health Professions Preparatory Scholarship Prog...Indians    | DIHS   | 1.20                      | 0.89                      | 0.00           | 0.0                   |                |
| 64                   | 13.972                 | B              | Health Professions Scholarship Program for Indians           | DIHS   | 4.61                      | 3.51                      | 0.00           | 0.0                   |                |
| 64                   | 14.223                 | B              | Indian Community Development Block Grant Program             | DIHD   | 30.00                     | 26.64                     | 14.71          | 55.2                  |                |
| 64                   | 15.103                 | D              | Indian Social Services--Child Welfare Assistance             | DOI    | 14.74                     | 14.47                     |                |                       |                |
| 64                   | 15.108                 | B              | Indian Employment Assistance                                 | DOI    | 25.79                     | 26.70                     |                |                       |                |
| 64                   | 15.113                 | D              | Indian Social Services--General Assistance                   | DOI    | 66.63                     | 67.49                     |                |                       |                |
| 64                   | 15.114                 | B              | Indian Education--Higher Education Grant Program             | DOI    | 26.87                     | 31.17                     |                |                       |                |
| 64                   | 15.130                 | C              | Indian Education--Assistance to Schools                      | DOI    | 25.67                     | 20.25                     |                |                       |                |
| 64                   | 15.141                 | B              | Indian Housing Assistance                                    | DOI    | 22.74                     | 22.61                     |                |                       |                |
| 64                   | 15.142                 | B              | Self Determination Grants--Indian Tribal Governments         | DOI    | 15.82                     | 7.76                      | 4.25           | 54.8                  |                |
| 64                   | 15.143                 | B              | Training and Technical Assistance--Indian Tribal Govs.       | DOI    | 1.64                      | 4.27                      |                |                       |                |
| 64                   | 15.144                 | B              | Indian Child Welfare Act-Title II Grants                     | DOI    | 8.82                      | 8.81                      |                |                       |                |
| 64                   | 15.145                 | B,C            | Indian Grants--Economic Development                          | DOI    | 0.00                      | 7.49                      |                |                       |                |
| 64                   | 17.251                 | A              | Native American Employment and Training Programs             | DOI    | 62.24                     | 61.48                     | 5.33           | 41.2                  |                |
| 64                   | 30.009                 | B              | Employment Discrimination Proj. Contracts--Indian Tribes     | EEOC   | 0.75                      |                           |                | 53.6                  | n              |
| 64                   | 84.060                 | B              | Indian Education--Formula Grants to...Tribal Schools         | DOED   | 45.90                     | 43.70                     | 18.83          | 43.1                  |                |
| 64                   | 84.061                 | B              | Indian Education--Special Programs and Projects              | DOED   | 10.98                     | 7.91                      | 3.47           | 43.9                  |                |
| 64                   | 84.062                 | B              | Indian Education--Adult Indian Education                     | DOED   | 2.94                      | 3.00                      |                |                       |                |
| 64                   | 84.072                 | B              | Indian Education--Grants to Indian Controlled Schools        | DOED   | 4.41                      | 3.50                      | 2.00           | 57.3                  |                |
| 64                   | 84.087                 | B              | Indian Education--Fellowships for Indian Students            | DOED   | 1.44                      | 1.45                      | 0.07           | 5.1                   |                |
| 64                   | 84.101                 | B              | Vocational Education--Indian and Hawaiian Natives            | DOED   | 11.88                     | 12.49                     | 6.51           | 52.1                  |                |
| 64                   | 84.163                 | B              | Library Services for Indian Tribes and Hawaiian Natives      | DOED   | 2.36                      | 2.41                      |                |                       |                |
| 64                   | 84.169                 | A              | Comprehensive Services for Independent Living                | DOED   | 5.00                      | 11.83                     |                |                       |                |
| 65                   | 57.001                 | D              | Social Insurance for Railroad Workers                        | HRB    | 6507.97                   | 6709.00                   | 1194.20        | 17.8                  |                |

| Econ-<br>omy<br>Code | Pro-<br>gram<br>Number | Object<br>Code | Program                                                   | Agency | Catalog<br>FY 85<br>Total | Catalog<br>FY 87<br>Total | Rural<br>Share | Per-<br>cent<br>Rural | Foot-<br>notes |
|----------------------|------------------------|----------------|-----------------------------------------------------------|--------|---------------------------|---------------------------|----------------|-----------------------|----------------|
|                      |                        |                |                                                           |        | ----- (millions) -----    |                           |                |                       |                |
| 65                   | 57.003                 | D              | Benefits for Conrail Employees                            | RRB    | 9.50                      |                           |                | 14.1                  | d              |
| 66                   | 11.800                 | B              | Minority Business Development Centers                     | DOC    | 26.04                     | 26.62                     | 0.67           | 2.5                   |                |
| 66                   | 11.802                 | B              | Minority Business and Industry Association...             | DOC    |                           | 3.95                      |                |                       | m              |
| 66                   | 16.201                 | C              | Cuban and Haitian Entrant Resettlement Program            | DOJ    | 34.39                     | 23.04                     |                |                       |                |
| 66                   | 17.302                 | D              | Longshore and Harbor Workers' Compensation                | DOL    | 4.71                      | 4.11                      | 0.52           | 12.7                  |                |
| 66                   | 20.513                 | B              | Capital Assistance Program for Elderly and Handicapped... | DOT    |                           | 34.84                     |                |                       | b              |
| 66                   | 21.006                 | C              | Tax Counseling for the Elderly                            | DOTRES | 2.00                      | 2.40                      | 0.13           | 5.3                   |                |
| 66                   | 84.011                 | A              | Migrant Education--Basic State Formula Grant Program      | DOED   | 257.46                    | 257.46                    |                |                       |                |
| 66                   | 84.141                 | B              | Migrant Education--High School Equivalency Program        | DOED   | 6.30                      | 6.30                      | 0.44           | 7.1                   |                |
| 66                   | 84.144                 | B              | Migrant Education--Interstate and Intrastate...Program    | DOED   | 7.07                      | 7.07                      |                |                       |                |
| 66                   | 84.146                 | A              | Transition Program for Refugee Children                   | DOED   | 16.60                     | 15.89                     |                |                       |                |
| 66                   | 84.149                 | B              | Migrant Education--College Assistance Migrant Program     | DOED   | 1.20                      | 1.20                      | 0.08           | 7.0                   |                |
| 66                   | 84.162                 | A              | Emergency Immigration Education                           | DOED   | 30.00                     | 30.00                     |                |                       |                |
| 66                   | 84.177                 | B              | Rehabilitation Services---...for Older Blind Individuals  | DOED   | 0.00                      | 5.29                      |                |                       |                |

Subtotal

27475.20 28114.26 5151.12

1987 Total Dollars for Programs with Rural Shares  
Percent of Program Funds to Rural Counties

24115.09

21.4

LOAN AND INSURANCE PROGRAM

ECONOMIC DEVELOPMENT

|    |        |     |                                                             |      |         |         |        |      |   |
|----|--------|-----|-------------------------------------------------------------|------|---------|---------|--------|------|---|
| 11 | 59.002 | E,F | Economic Injury Disaster Loans                              | SBA  | 130.13  |         | 0.00   | 61.8 | o |
| 11 | 59.003 | F   | Loans for Small Businesses (Guaranteed Loans)               | SBA  | 42.50   | 23.92   | 1.04   | 12.7 |   |
| 11 | 59.003 | E   | Loans for Small Businesses (Direct Loans)                   | SBA  | 15.44   | 18.57   | 1.47   | 7.9  |   |
| 11 | 59.011 | F   | Small Business Investment Companies (Guaranteed Loans)      | SBA  | 264.88  | 151.35  |        |      |   |
| 11 | 59.011 | E   | Small Business Investment Companies (Direct Loans)          | SBA  | 44.16   | 38.73   | 0.97   | 2.5  |   |
| 11 | 59.012 | E   | Small Business Loans (Director Loans)                       | SBA  | 77.38   | 0.00    | 0.00   | 15.0 |   |
| 11 | 59.012 | F   | Small Business Loans (Guaranteed Loans)                     | SBA  | 2315.26 | 2231.57 | 594.99 | 17.7 |   |
| 11 | 59.013 | E   | State and Local Development Company Loans (Direct Loans)    | SBA  | 4.00    | 0.00    |        |      |   |
| 11 | 59.013 | F   | State and Local Development Company Loans (Guar. Loans)     | SBA  | 23.70   | 35.87   | 2.33   | 6.5  |   |
| 11 | 59.016 | F   | Bond Guarantees for Surety Companies                        | SBA  | 959.10  | 957.40  | 148.40 | 15.5 |   |
| 11 | 59.036 | E,F | Certified Development Company Loans (503 Loans)             | SBA  | 284.05  | 1.89    | 0.21   | 11.2 |   |
| 11 | 59.039 | E   | Currency Fluctuation Economic Injury Loans                  | SBA  | 5.06    |         |        | 10.5 | d |
| 11 | 59.040 | E   | Federal Action Economic Injury Loans                        | SBA  | 45.66   |         |        | 71.0 | d |
| 11 | 59.041 | F   | Certified Development Company Loans (504 Loans)             | SBA  |         | 354.70  |        |      | b |
| 12 | 10.422 | F   | Business and Industrial Loans                               | USDA | 61.34   | 95.70   | 31.30  | 34.8 |   |
| 12 | 10.434 | F   | Nonprofit National Corporations Loan and Grant Program (L.) | USDA |         | 19.14   |        |      | b |
| 12 | 11.301 | F   | Economic Development--Business Development Assistance       | DOC  | 15.33   | 0.00    | 0.00   | 4.6  |   |

Subtotal

4287.99 3928.84 584.71

1987 Total Dollars for Programs with Rural Shares  
Percent of Program Funds to Rural Counties

3403.65

17.2

AGRICULTURE/NATURAL RESOURCES

|    |        |   |                                            |      |          |          |         |      |  |
|----|--------|---|--------------------------------------------|------|----------|----------|---------|------|--|
| 21 | 10.051 | E | Commodity Loans and Purchases (Loans Only) | USDA | 10185.97 | 16566.05 | 100.00  | 60.6 |  |
| 21 | 10.056 | E | Storage Facilities and Equipment Loans     | USDA | 0.56     | 0.24     | 0.23    | 95.2 |  |
| 21 | 10.404 | F | Emergency Loans                            | USDA | 490.88   | 113.61   | 81.57   | 71.8 |  |
| 21 | 10.406 | F | Farm Operating Loans                       | USDA | 4706.55  | 3570.45  | 2606.43 | 73.0 |  |
| 21 | 10.407 | F | Farm Ownership Loans                       | USDA | 720.52   | 399.42   | 285.98  | 71.6 |  |

| Econ-<br>omy<br>Code                                   | Pro-<br>gram<br>Number | Object<br>Code | Program                                                    | Agency | Catalog<br>FY 85<br>Total | Catalog<br>FY 87<br>Total | Rural<br>Share | Per-<br>cent<br>Rural | Foot-<br>notes |
|--------------------------------------------------------|------------------------|----------------|------------------------------------------------------------|--------|---------------------------|---------------------------|----------------|-----------------------|----------------|
|                                                        |                        |                |                                                            |        | ----- (millions) -----    |                           |                |                       |                |
| 21                                                     | 10.450                 | G              | Crop Insurance                                             | USDA   | 702.83                    | 682.72                    | 216.42         | 31.7                  |                |
| 22                                                     | 15.501                 | E              | Distribution System Loans                                  | DOI    | 0.98                      | 0.40                      |                |                       |                |
| 22                                                     | 15.502                 | E              | Irrigation systems Rehabilitation and Betterment           | DOI    | 26.54                     | 3.54                      |                |                       |                |
| 23                                                     | 59.030                 | E              | Small Business Energy Loans (Direct Loans)                 | SBA    | 0.12                      | 0.00                      | 0.00           | 0.0                   |                |
| 23                                                     | 59.030                 | F              | Small Business Energy Loans (Guaranteed Loans)             | SBA    | 0.77                      | 0.42                      | 0.00           | 0.0                   |                |
| 23                                                     | 81.056                 | F              | Coal Loan Guarantees                                       | DOE    | 0.00                      |                           |                |                       | d              |
| 25                                                     | 11.415                 | F              | Fishing Vessel Obligation Guarantees                       | DOC    | 34.27                     | 77.00                     | 8.70           | 11.3                  |                |
| 25                                                     | 20.802                 | F              | Federal Ship Financing Guarantees                          | DOT    | 20.25                     | 0.00                      |                |                       |                |
| 26                                                     | 10.416                 | F              | Soil and Water Loans                                       | USDA   | 9.76                      | 4.50                      | 3.39           | 75.3                  |                |
| 27                                                     | 20.803                 | G              | Maritime War Risk Insurance                                | DOT    | 0.00                      | 0.15                      |                |                       |                |
| Subtotal                                               |                        |                |                                                            |        | 16900.00                  | 21418.50                  | 13,41.75       |                       |                |
| 1987 Total Dollars for Programs with with Rural Shares |                        |                |                                                            |        |                           | 21413.99                  |                |                       |                |
| Percent of Program Funds to Rural Counties             |                        |                |                                                            |        |                           |                           |                | 61.8                  |                |
| <u>INFRASTRUCTURE</u>                                  |                        |                |                                                            |        |                           |                           |                |                       |                |
| 31                                                     | 10.423                 | E              | Community Facilities Loans                                 | USDA   | 115.00                    | 95.70                     | 48.14          | 50.3                  |                |
| 32                                                     | 20.309                 | F              | Railroad Rehab. and Improvement Guarantee of Obligations   | DOT    | 2.50                      |                           |                |                       | d              |
| 33                                                     | 10.850                 | F              | Rural Electrification Loans and Loan Guarantees            | USDA   | 636.64                    | 703.05                    | 362.77         | 51.6                  |                |
| 33                                                     | 10.851                 | F              | Rural Telephone Loans and Loan Guarantees                  | USDA   | 224.59                    | 229.79                    | 154.65         | 67.3                  |                |
| 33                                                     | 10.852                 | E              | Rural Telephone Bank Loans                                 | USDA   | 167.77                    | 185.12                    | 69.42          | 37.5                  |                |
| 34                                                     | 10.414                 | E              | Resource Conservation and Development Loans                | USDA   | 0.50                      | 0.00                      | 0.00           | 100.0                 |                |
| 34                                                     | 10.418                 | E              | Water and Waste Disposal Systems for Rural Communities     | USDA   | 340.00                    | 330.38                    |                |                       |                |
| 34                                                     | 10.419                 | E              | Watershed Protection and Flood Prevention Loans            | USDA   | 2.23                      | 0.15                      | 0.07           | 46.5                  |                |
| 34                                                     | 15.503                 | E              | Small Reclamation Projects                                 | DOI    | 36.14                     | 51.13                     | 0.00           | 0.0                   | p              |
| 34                                                     | 66.603                 | F              | Loan Guarantees for Construction of Treatment Works        | EPA    |                           |                           |                |                       | q              |
| 35                                                     | 14.128                 | F              | Mortgage Insurance--Hospitals                              | DIUD   | 691.18                    | 624.25                    | 31.84          | 5.1                   |                |
| 35                                                     | 14.129                 | F              | Mortgage Insurance--Nursing Homes Intermed. Care Facs...   | DIUD   | 223.29                    | 210.83                    | 10.75          | 5.1                   |                |
| 35                                                     | 59.008                 | E,F            | Physical Disaster Loans                                    | SBA    | 137.47                    | 207.74                    | 53.60          | 25.8                  |                |
| 35                                                     | 83.100                 | G              | Flood Insurance                                            | FEMA   | 287.72                    | 256.91                    | 33.14          | 12.9                  |                |
| 35                                                     | 84.142                 | E              | Housing and Other Educational Facilities Loans             | DOED   | 40.00                     | 60.00                     | 5.04           | 8.4                   |                |
| Subtotal                                               |                        |                |                                                            |        | 2905.03                   | 2955.05                   | 1,49.42        |                       |                |
| 1987 Total Dollars for Programs with Rural Shares      |                        |                |                                                            |        |                           | 2573.54                   |                |                       |                |
| Percent of Program Funds to Rural Counties             |                        |                |                                                            |        |                           |                           |                | 29.9                  |                |
| <u>HUMAN RESOURCES</u>                                 |                        |                |                                                            |        |                           |                           |                |                       |                |
| 41                                                     | 13.108                 | F              | Health Education Assistance Loans                          | DIHS   | 271.00                    | 221.46                    |                |                       |                |
| 41                                                     | 13.342                 | E              | Health Professions Student Loans                           | DIHS   | 0.00                      | 0.00                      |                |                       |                |
| 41                                                     | 13.364                 | E              | Nursing Student Loans                                      | DIHS   | 0.00                      | 0.00                      |                |                       |                |
| 41                                                     | 84.032                 | F              | Higher Education Act Insured Loans                         | DOED   | 8454.00                   | 9266.00                   |                |                       |                |
| 43                                                     | 13.258                 | E              | National Health Service Corps                              | DIHS   |                           |                           |                |                       | r              |
| 43                                                     | 13.973                 | E              | Special Loans for NHS Corps Members to Enter Private Prac. | DIHS   | 0.50                      | 0.16                      | 0.00           | 0.0                   |                |
| 43                                                     | 14.116                 | F              | Mortgage Insurance--Group Practice Facilities              | DIUD   | 0.00                      | 0.00                      |                |                       |                |
| 44                                                     | 10.405                 | F              | Farm Labor Housing Loans and Grants (Loans)                | USDA   | 17.59                     | 10.68                     |                |                       |                |
| 44                                                     | 10.410                 | E              | Very Low and Low Income Housing Loans                      | USDA   | 1789.93                   | 1155.35                   | 595.01         | 51.5                  |                |
| 44                                                     | 10.411                 | E              | Rural Housing Site Loans                                   | USDA   | 0.00                      | 0.57                      | 0.00           | 0.0                   |                |
| 44                                                     | 10.415                 | F              | Rural Rental Housing Loans                                 | USDA   | 902.96                    | 554.90                    | 250.26         | 45.1                  |                |
| 44                                                     | 10.417                 | E              | Very Low-Income Housing Repair Loans and Grants (Loans)    | USDA   | 7.90                      | 5.85                      | 3.69           | 63.3                  |                |
| 44                                                     | 14.108                 | F              | Rehabilitation Mortgage Insurance                          | DIUD   | 20.09                     | 21.25                     | 0.34           | 1.6                   |                |
| 44                                                     | 14.110                 | F              | Home Insurance--Financing Purchase of Manufactured Homes   | DIUD   |                           |                           |                |                       | s              |
| 44                                                     | 14.112                 | F              | Mortgage Insurance--Construction...Condominium Projects    | DIUD   | 4.18                      | 1.26                      |                |                       |                |

| Econ-<br>omy<br>Code | Pro-<br>gram<br>Number | Object<br>Code | Program                                                     | Catalog<br>FY 85      |          | Catalog<br>FY 87 |         | Rural<br>Share | Per-<br>cent<br>Rural | Foot-<br>notes |
|----------------------|------------------------|----------------|-------------------------------------------------------------|-----------------------|----------|------------------|---------|----------------|-----------------------|----------------|
|                      |                        |                |                                                             | Agency                | Total    | Total            |         |                |                       |                |
|                      |                        |                |                                                             | ------(millions)----- |          |                  |         |                |                       |                |
| 44                   | 14.115                 | F              | Mortgage Insurance--Development                             | DIUD                  |          |                  |         |                |                       | t              |
| 44                   | 14.117                 | F              | Mortgage Insurance--Homes                                   | DIUD                  | 15393.33 | 77072.18         | 3159.96 |                | 4.1                   | u              |
| 44                   | 14.119                 | F              | Mortgage Insurance--Homes for Disaster Victims              | DIUD                  |          |                  |         |                |                       | v              |
| 44                   | 14.120                 | F              | Mortgage Insurance--Homes for Low and Mod. Income Families  | DIUD                  | 154.50   | 215.08           | 6.24    |                | 2.9                   |                |
| 44                   | 14.121                 | F              | Mortgage Insurance--Homes in Outlying Areas                 | DIUD                  |          |                  |         |                |                       | v              |
| 44                   | 14.122                 | F              | Mortgage Insurance--Homes in Urban Renewal Areas            | DIUD                  | 3.83     | 2.72             | 0.00    |                | 0.0                   |                |
| 44                   | 14.123                 | F              | Mortgage Insurance--Housing in Older, Declining Areas       | DIUD                  | 136.24   | 83.45            | 0.00    |                | 0.0                   |                |
| 44                   | 14.124                 | F              | Mortgage Insurance--Investor Sponsored Cooperative Housing  | DIUD                  |          |                  |         |                |                       | t              |
| 44                   | 14.125                 | F              | Mortgage Insurance--Land Development                        | DIUD                  | 21.06    | 31.83            | 0.00    |                | 0.0                   |                |
| 44                   | 14.126                 | F              | Mortgage Insurance--Management Type Cooperative Projects    | DIUD                  | 1.31     | 0.00             |         |                |                       | w              |
| 44                   | 14.127                 | F              | Mortgage Insurance--Manufactured (Mobile) Home Parks        | DIUD                  |          |                  |         |                |                       | x              |
| 44                   | 14.130                 | F              | Mortgage Insurance--Purchase by Homeowner...From Lessors    | DIUD                  | 0.14     | 0.09             |         |                |                       |                |
| 44                   | 14.132                 | F              | Mortgage Insurance--Purchase of Sales-Type Cooperative...   | DIUD                  |          |                  |         |                |                       | t              |
| 44                   | 14.133                 | F              | Mortgage Insurance Purchase of Units in Condominiums        | DIUD                  | 802.68   | 4951.97          | 99.62   |                | 0.8                   |                |
| 44                   | 14.134                 | F              | Mortgage Insurance--Rental Housing                          | DIUD                  |          |                  |         |                |                       | y              |
| 44                   | 14.135                 | F              | Mortgage Insurance--Rental Housing for Mod. Income Families | DIUD                  |          |                  |         |                |                       | z              |
| 44                   | 14.137                 | F              | Mortgage Insurance--Rental and Cooperative Housing          | DIUD                  | 1028.37  | 651.36           | 13.68   |                | 2.1                   | aa             |
| 44                   | 14.138                 | F              | Mortgage Insurance--Rental Housing for the Elderly          | DIUD                  | 0.00     | 1.38             |         |                |                       |                |
| 44                   | 14.139                 | F              | Mortgage Insurance--Rental Housing in Urban Renewal Areas   | DIUD                  | 65.25    | 209.56           |         |                |                       |                |
| 44                   | 14.140                 | F              | Mortgage Insurance--Special Credit Risks                    | DIUD                  | 0.17     | 0.00             | 0.00    |                | 0.0                   |                |
| 44                   | 14.141                 | E              | Sec. 106(b) Nonprofit Sponsor Assistance Program            | DIUD                  | 0.46     | 1.00             | 0.12    |                | 12.0                  |                |
| 44                   | 14.142                 | F              | Property Improvement Loan Insurance...                      | DIUD                  | 972.14   | 496.88           | 89.43   |                | 18.0                  | ab             |
| 44                   | 14.151                 | F              | Supplemental Loan Insurance--Multifamily Rental Housing     | DIUD                  | 72.30    | 1.72             | 0.00    |                | 0.0                   |                |
| 44                   | 14.155                 | F              | Mortgage Insurance--Multifamily Housing Projects            | DIUD                  | 43.90    | 27.83            | 0.00    |                | 0.0                   |                |
| 44                   | 14.157                 | E              | Housing for the Elderly or Handicapped                      | DIUD                  | 596.95   | 556.73           | 51.22   |                | 9.2                   |                |
| 44                   | 14.159                 | F              | Section 245 Graduated Payment Mortgage Program              | DIUD                  | 1271.00  | 1011.34          | 13.15   |                | 1.3                   |                |
| 44                   | 14.161                 | F              | Single-Family Home Mortgage Coinsurance                     | DIUD                  | 148.85   | 438.35           | 5.26    |                | 1.2                   |                |
| 44                   | 14.162                 | F              | Mortgage Insurance--Combination and Manufac. Home Lot...    | DIUD                  |          |                  |         |                |                       | s              |
| 44                   | 14.163                 | F              | Mortgage Insurance--Cooperative Financing                   | DIUD                  |          |                  |         |                |                       | v              |
| 44                   | 14.165                 | F              | Mortgage Insurance--Homes-Military Impacted Areas           | DIUD                  | 1.48     | 8.06             | 0.00    |                | 0.0                   |                |
| 44                   | 14.166                 | F              | Mortgage Insurance--Homes for Members of the Armed Services | DIUD                  | 1.00     | 4.14             | 0.00    |                | 0.0                   |                |
| 44                   | 14.167                 | F              | Mortgage Insurance--Two Year Operating Loss Loans           | DIUD                  | 2.40     | 5.56             | 0.03    |                | 0.6                   |                |
| 44                   | 14.172                 | F              | Mortgage Insurance--Growing Equity Mortgages                | DIUD                  |          |                  |         |                |                       | ac             |
| 44                   | 14.173                 | F              | Multifamily Coinsurance                                     | DIUD                  | 689.45   | 2708.50          |         |                |                       |                |
| 44                   | 14.175                 | F              | Adjustable Rate Mortgages                                   | DIUD                  |          |                  |         |                |                       | v              |
| 44                   | 14.176                 | F              | Coinsurance for...Construction...Multifamily Housing        | DIUD                  | 0.00     |                  |         |                |                       | ad             |
| 44                   | 14.220                 | E              | Section 312 Rehabilitation Loans                            | DIUD                  | 75.01    | 63.78            | 1.28    |                | 2.0                   |                |
| 44                   | 14.507                 | F              | Mortgage Insurance--Experimental Homes                      | DIUD                  |          |                  |         |                |                       | ae             |
| 44                   | 14.508                 | F              | Mortgage Ins.--Experimental Projects Other Than Housing     | DIUD                  |          |                  |         |                |                       | q              |
| 44                   | 14.509                 | F              | Mortgage Insurance--Experimental Rental Housing             | DIUD                  |          |                  |         |                |                       | af             |
| 45                   | 59.031                 | F              | Small Business Pollution Control Financing Guarantee        | SBA                   | 7.40     | 3.90             | 0.00    |                | 0.0                   |                |
| 45                   | 66.702                 | E              | Asbestos Hazards Abatement (Schools) Assistance (DL)        | EPA                   | 31.20    | 29.00            |         |                |                       |                |
| 48                   | 45.201                 | G              | Arts and Artifacts Indemnity                                | NFAH                  | 0.00     | 0.00             |         |                |                       |                |
| 48                   | 86.001                 | G              | Pension Plan Termination Insurance                          | PBGC                  | 162.31   | 472.76           | 38.29   |                | 8.1                   |                |
| Subtotal             |                        |                |                                                             |                       | 33150.88 | 100286.65        | 4267.58 |                |                       |                |

1987 Total Dollars for Programs with Rural Shares  
Percent of Program Funds to Rural Counties

87674.34

4.9

**SPECIAL GROUPS**

|    |        |     |                                                      |     |          |          |         |  |      |  |
|----|--------|-----|------------------------------------------------------|-----|----------|----------|---------|--|------|--|
| 61 | 59.038 | E   | Veterans Loan Program                                | SBA | 8.64     | 19.00    |         |  |      |  |
| 61 | 64.103 | E,G | Life Insurance for Veterans                          | VA  | 123.16   | 1878.61  | 266.76  |  | 14.2 |  |
| 61 | 64.114 | F   | Veterans Housing--Guaranteed and Insured Loans       | VA  | 11262.76 | 34783.52 | 1704.39 |  | 4.9  |  |
| 61 | 64.118 | E   | Veterans Housing--Direct Loans for Disabled Veterans | VA  | 0.22     | 0.03     | 0.02    |  | 61.0 |  |
| 61 | 64.119 | F   | Veterans Housing--Manufactured Home Loans            | VA  | 188.99   | 116.53   | 19.34   |  | 16.6 |  |

| Econ-<br>omy<br>Foot-<br>Code<br>notes            | Pro-<br>gram<br>Number | Object<br>Code | Program                                         | Catalog<br>FY 85 | Catalog<br>FY 87 | Rural<br>Share | Per-<br>cent<br>Rural |
|---------------------------------------------------|------------------------|----------------|-------------------------------------------------|------------------|------------------|----------------|-----------------------|
|                                                   |                        |                |                                                 | Agency Total     | Total            | Share          | Rural                 |
| ------(millions)-----                             |                        |                |                                                 |                  |                  |                |                       |
| 62                                                | 59.021                 | F              | Handicapped Assistance Loans (Guaranteed Loans) | SBA              | 0.83             | 0.32           | 24.8                  |
| 62                                                | 59.021                 | E              | Handicapped Assistance Loans (Direct Loans)     | SBA              | 23.64            | 9.49           | 24.9                  |
| 64                                                | 10.421                 | F              | Indian Tribes and Tribal Corporation Loans      | USDA             | 1.41             | 2.00           | 98.9                  |
| 64                                                | 15.123                 | E              | Indian Loans--Claims Assistance                 | DOI              | 0.32             | 0.30           |                       |
| 64                                                | 15.124                 | E,F            | Indian Loans--Economic Development              | DOI              | 59.13            | 46.13          |                       |
| 66                                                | 81.063                 | E              | Office of Minority Economic Impact Loans        | DOE              | 0.01             | 0.90           |                       |
| Subtotal                                          |                        |                |                                                 | 11669.11         | 36856.83         | 1994.93        |                       |
| 1987 Total Dollars for Programs with Rural Shares |                        |                |                                                 | 36790.50         |                  |                |                       |
| Percent of Program Funds to Rural Counties        |                        |                |                                                 |                  |                  |                | 5.4                   |

a. Each time the "Percent rural" column is empty, it signifies that the subject program was not included in the CFRR. Therefore, USDA could not develop Beale codes for the program, and we could not calculate the rural percentage to determine what part of program funds went to rural areas. The "Rural share" column will also be blank for such programs.

b. This program did not appear in the 1986 Catalog, which was our source of program information for fiscal year 1985.

c. According to the Catalog, obligations for this program are reported under program 11.300.

d. This program does not appear in the 1988 Catalog, which was our source of program information for fiscal year 1987. The Catalog indicates that the program has been deleted.

e. According to the 1988 Catalog, this the current name for this program. It also states that fiscal year 1987 obligations are not separately identifiable.

f. The Catalog does not provide financial data for this program.

g. This program does not appear in the Catalog. However, it is an important rural development-type program. We have, therefore, included information obtained from the U.S. Budget Appendix.

h. The Catalog showed only "Salaries and Expenses," not grants, payments or loans for this program.

i. According to the 1988 Catalog, this program was incorporated in program 47.071 in 1987.

j. According to the Catalog, this program was added in 1986. Funding is included in the total for program 14.156 and is not separately identified.

k. According to the Catalog, this figure includes obligations for programs 14.851 and 14.852.

l. According to the Catalog, obligations for this program are reported under program 14.850.

m. According to the Catalog, this program was part of program 11.800 through 1985; therefore, the fiscal year 1985 obligations for this program are reported under program 11.800.

n. The 1988 Catalog indicates that fiscal year 1987 obligations for this program are reported (and not separately identifiable) under program 30.002.

o. The Catalog states that for fiscal year 1987, obligations (loans) for this program are included in program 59.008.

p. The amount shown for this program may include obligations for other than loans; the Catalog does not provide a breakout for this program.

- q. The Catalog states that obligations (mortgages insured) for this program are reported under Program 14.509.
- r. This program primarily funds salaries and expenses for government workers. However, both in fiscal years 1985 and 1986, it made loans of \$10,000. No loans were made in fiscal year 1987, but the Catalog estimated loans of about \$479,000 for fiscal year 1988 and about \$50,000 for fiscal year 1989.
- s. According to the Catalog, obligations (loans) for this program are included under program 14.142.
- t. According to the Catalog, obligations (mortgages insured) for this program are reported under program 14.126.
- u. According to the Catalog, the obligations (mortgages insured) shown for this program include funding for programs 14.119 and 14.121.
- v. According to the Catalog, obligations (mortgages insured) for this program are reported under program 14.117.
- w. According to the Catalog, the obligations (mortgages insured) shown for this program include funding for programs 14.124 and 14.132. In fiscal year 1987, no mortgages were insured for programs 14.124 and 14.126 and no units were insured for program 14.132. Cumulative totals through September 30, 1987, were 512 projects with 70,401 units insured with a value of \$963.6 million for programs 14.124 and 33,918 home mortgages insured with a value of \$429.6 million for program 14.132.
- x. According to the Catalog, obligations (mortgages insured) for this program are reported under program 14.134.
- y. According to the Catalog, obligations (mortgages insured) for this program include funding for program 14.127.
- z. According to the Catalog, obligations (mortgages insured) for this program are reported under program 14.137.
- aa. According to the Catalog, the obligations (mortgages insured) shown for this program include funding for program 14.135. Because of this combination a consolidated share percentage was computed using information from the CFFR.
- ab. According to the Catalog, the obligations (loans insured) shown for this program include funding for program 14.110 and 14.162. Because of this combination, a consolidated share percentage was computed using information from the CFFR.
- ac. According to the Catalog, obligations (mortgages insured) for this program are reported under program 14.159.
- ad. According to the Catalog, this program was consolidated into program 14.173 in 1987.
- ae. For this program, the Catalog states that "Mortgages are insured and experimental features are guaranteed to the homeowner. No direct funding or subsidies are provided for the project." The 1988 Catalog reports that cumulative totals for the program are about 600 units insured with a value of about \$10 million.
- af. For this program, the Catalog states that "Mortgages are insured and experimental features are guaranteed. No funds or subsidies are available." The 1988 Catalog reports that cumulatively a total of about 5,000 units (under programs 14.508 and 14.509) have been insured for a total of \$100 million in mortgages since the program's inception.

## APPENDIX III

Special Initiatives

Following are additional special initiatives which could be developed to assist timber communities through partnership arrangements with and through the federal and state economic development agencies:

| <u>Proposed by Oregon State Department of Economic Development</u>                                                                                                                                                                                                                                     | <u>Additional Needs (MM\$)</u> | <u>Potential Federal Funding Sources</u>    | <u>Authority</u> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------|------------------|
| <u>Recreation and Tourism Development</u> - Expand and enhance recreation facilities and make other improvements to increase the use of federal recreation facilities and the time that tourists spend in affected communities                                                                         | 15                             | FS<br>EDA                                   | Existing         |
| <u>Technical Assistance</u> - Provide staff and facilities to provide on-going technical assistance and training to enhance community rural development initiatives                                                                                                                                    | 5                              | FS<br>EDA<br>FmHA                           | Existing         |
| <u>Workforce Training Enhancement</u> - Help secondary wood products firms and other cottage industries in training workers who are dislocated from primary wood products manufacturing                                                                                                                | 5                              | FS<br>ED<br>FmHA<br>EDA<br>Ext. Svc.<br>DOL | Existing         |
| <u>Secondary Wood Products Development</u> - Provide risk capital and marketing assistance for diversification of existing wood products firms into secondary markets                                                                                                                                  | 10                             | SBA<br>EDA<br>FmHA<br>REA                   | Existing         |
| <u>Cottage or small business development</u> - Establish a risk capital fund for the start up of small businesses by dislocated workers or the expansion of existing cottage industries, and including provision of industrial sites and/or facilities                                                 | 10                             | SBA<br>EDA<br>FmHA<br>REA                   | Existing         |
| <u>Education, Training and Retirement Facilities</u> - expand natural resources training and education facilities on federal lands to host Elderhostel and international forestry programs that would combine recreation opportunities and education for an affluent and increasing elderly population | 20                             | Ext. Svc.<br>DOL<br>SBA<br>EDA<br>FmHA      | Existing         |

Total

65

| <u>Proposed by the Washington Department of Community Development</u>                                                                                                                                                                                                 | <u>Additional Needs (MM\$)</u> | <u>Potential Federal Funding Sources</u> | <u>Authority</u>                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------|---------------------------------------------------------|
| <u>Access to Business Capital</u> - Increase the availability of federal loan funds to meet the short term needs of existing business and for supporting long term business development and diversification strategies in timber communities                          | 5                              | FmHA<br>SBA<br>EDA                       | Existing                                                |
| <u>Local Government Federal Forest Receipts Replacement</u> Counties and schools will need a replacement of the federal receipts for roads and for public school operations, in impacted counties.                                                                    | 11                             | FS                                       | No present authority to increase percentage to counties |
| <u>Infrastructure Fund for Planning and Construction Projects</u> - Provide local capacity to adequately serve existing business, accommodate expansion needs, and embark upon major infrastructure projects to complement economic development strategies            | 10                             | SBA<br>FmHA<br>EDA                       | Existing                                                |
| <u>Development/Stabilization Fund</u> - would provide a local pool of funding for community assessments, strategic planning and project implementation to meet communities needs for professional development services                                                | 2                              | SBA<br>REA                               | Existing                                                |
| <u>Proposed by the Washington Department of Trade and Economic Development</u>                                                                                                                                                                                        |                                |                                          |                                                         |
| <u>Federal Support to Assist Timber Dependent Communities</u> -Includes assistance to communities seeking business expansion, business and job retention, business development in timber value-added sectors, and loans and grants for community development projects | 4                              | SBA<br>EDA<br>REA<br>FmHA                | Existing                                                |
| Total                                                                                                                                                                                                                                                                 | 32                             |                                          |                                                         |

#### APPENDIX IV

Title of Program: Farmers Home Administration Business and Industry Guaranteed Loans (Title 7 CFR 1980 Subpart E).

Description: The Farmers Home Administration guarantees loans to businesses in rural areas for developing or financing business or industry, increasing employment and controlling or abating pollution.

1990 budget level: \$95,018,000

1991 President's budget level: xero

Contributions to impacted communities (number of projects, acres, etc.):

|            |                                  |
|------------|----------------------------------|
| California | 3.22 percent of total allocation |
| Oregon     | 1.38 percent of total allocation |
| Washington | 1.88 percent of total allocation |

Title of Program: Farmers Home Administration Intermediary Reloaning Program (Title 7 CFR 1948 Subpart C)

Description: The Farmers Home Administration loans funds to intermediaries to make loans to ultimate recipients that are businesses in rural areas. Maximum loan to any one intermediary is \$3,000,000 and the maximum loan to any one ultimate recipient is \$150,000.

1990 budget level: \$19,295,000

1991 President's budget level: \$30,000,000

Title of Program: Farmers Home Administration Community Facility Loans (7 CFR 1942 Subpart A)

Description: The Farmers Home Administration can make direct loans and can guarantee loans to construct, enlarge, extend or otherwise improve community facilities providing essential services to residents in rural areas and towns with a population not in excess of 20,000 people.

1990 budget levels:

|                           |
|---------------------------|
| \$94,381,000 - Direct     |
| \$23,829,000 - Guaranteed |

1991 President's budget level:

|                           |
|---------------------------|
| \$45,700,000 - Direct     |
| \$50,000,000 - Guaranteed |

Contributions to impacted communities (number of projects, acres, etc.):

|            |                                   |
|------------|-----------------------------------|
| California | 3.07 percent of direct allocation |
| Oregon     | 1.26 percent of direct allocation |
| Washington | 1.56 percent of direct allocation |

Guaranteed budget amount in 1990 was not allocated to States. Funds are obligated on an as-needed basis.

Title of Program: Farmers Home Administration Industrial Development Grants  
(Title 7 CFR 1942 Subpart G)

Description: The Farmers Home Administration can provide grants to assist public bodies and nonprofit corporations to finance and facilitate development of small and emerging private business enterprises.

1990 budget level: \$16,406,000

1991 President's budget level: zero

Contributions to impacted communities (number of projects, acres, etc.):

|            |                            |
|------------|----------------------------|
| California | 3.07 percent of allocation |
| Oregon     | 1.26 percent of allocation |
| Washington | 1.56 percent of allocation |

Title of Program: Farmers Home Administration Technical Assistance and Training Grants (Title 7 CFR 1942 Subpart J).

Description: The Farmers Home Administration can make grants for not-for-profit organizations to provide rural water and waste system officials technical assistance and training on wide range of issues relating to the delivery of water and waste service to rural residents.

1990 budget level:

Not less than 1 percent or not more than 2 percent of any appropriations for grants under Section 306(a)(2) of the Consolidated Farm and Rural Development Act, (7 U.S.C. 1926(a)).

\$4,154,000 was available in FY 1990.

1991 President's budget level:

Not less than 1 percent or more than 2 percent of any appropriations for grants under Section 306(a)(2) of the Consolidated Farm and Rural Development Act, (7 U.S.C. 1926(a)).

Contributions to impacted communities (number of projects, acres, etc.):

Funds are allocated on a project-by-project basis rather than on a State basis.

Note: The Farmers Home Administration can work with distressed borrowers through special loan servicing activities covered under the appropriate regulations governing each program.

Title of Program: Economic Development Administration grants programs.

Description

The Economic Development Administration in the Department of Commerce has five grant programs that could be applicable to areas adversely affected by changes in spotted owl management:

A public works program to help distressed communities attract new industry, diversify their economies, and generate long term private sector jobs.

A revolving loan funds program to help areas overcome specific capital market gaps and encourage greater private sector participation in economic development activities.

An economic adjustment program to help develop and implement local economic adjustment strategies and stabilize the area as soon as a dislocation occurs. This fund provided assistance following Hugo and the California earthquake.

A planning program to assist economically distressed States, cities, and urban counties undertake new planning, policy-making, and implementation efforts.

Technical assistance and university center programs to help distressed areas initiate feasibility studies, and provide seed money for implementing needed economic development programs.

All of these programs are available to State or local political subdivisions, Indian tribes, and several other "not for profit" organizations. Each program is directed to solving specific types of problems, but all of them are meant to create new employment.

1990 budget level:

|                      |               |
|----------------------|---------------|
| Public Works(about)  | \$126,000,000 |
| Revolving Loan Funds | 12,000,000    |
| Economic Adjustment  | 36,000,000    |
| Planning             | 22,000,000    |
| Technical Assistance | 2,000,000     |

1991 President's budget level: Zero

Contributions to impacted communities: Vary with type of grant.

Title of Program: Economic Development Administration Loan Guarantee Programs

Description

The Economic Development Administration in the Department of Commerce guarantees loans to provide financial assistance to firms that create or retain permanent jobs through the expansion, establishment, or retention of plants in distressed areas. Investors must provide 15 to 25 percent of project funding, and lenders must assume some of the risk. The Economic Development Administration may guarantee up to 80 percent of project needs. Loans range from \$750,000 to \$10,000,000 in size. Smaller loans are provided by the Small Business Administration.

1990 budget level: \$150 million.

1991 President's budget level: Zero

Contributions to impacted communities: The target is to create a new job for every \$20,000 of loan guarantee.

Title of Program: Department of Housing and Urban Development Block Grants.

Description: The Department of Housing and Urban Development provides a number of block grants to States and communities to help them provide community planning and assistance. Once the grants are distributed, decisions on their use are left up to the governors and mayors.

1990 budget level: Approximately \$3.4 billion.

1991 President's budget level: Unknown

Title of Program: Small Business Administration Business Loan Program

Description: The Small Business Administration provides direct and guaranteed loans. Guaranteed loans are made by private lenders such as banks with up to 90 percent guaranteed by SBA. About 98 percent of SBA loans are made under this program. Maximum loans are up to \$750,000 of exposure for up to 25 years. Direct loans represent about 2 percent of the Agency's business. Direct loans are for a maximum of \$150,000 and are only available in special cases such as in high unemployment areas where private funds are not available. Very few restrictions apply.

1990 budget level:

\$3 billion authorization in the guaranteed loan program.

\$90 million available in the direct loan program.

1991 President's budget level: About the same as this year.

Contributions to impacted communities: A source of capital for starting new businesses in areas impacted by reductions in Federal timber sales.

Title of Program: Rural Electrification Administration (REA) Rural Economic Development Loan and Grant Program

Description

REA provides zero interest loans and grants to REA borrowers for promotion of rural economic development and job creation projects. The current maximum amount for individual loans and grants is \$100,000, but REA is in the process of allowing the Administrator to set a limit based on available funds.

1990 budget level: \$5 million of appropriated funds plus approximately \$1.5 million based on REA borrowers' advanced payments on their loans.

1991 President's budget level: Zero appropriation requested. Approximately \$1.5 million would be available based on REA borrowers' advanced payments.

Contributions to impacted communities: The REA Administrator has selected 54 applications totalling \$4,350,000 since May 1989. It is up to the REA borrower to participate in this program. Borrowers are responsible for the loan even if the ultimate recipient fails.

Title of Program: REA Rural Economic Development Loans and Grants

Description

The Rural Economic Development Loan and Grant Program (also called the Cushion of Credit Payments Program) provides zero interest loans and grants to REA borrowers to promote rural economic development and job creation projects. The REA Administrator made first selection of projects under this program in May 1989. To date, REA has selected 54 zero interest loan applications totalling \$4,350,000. No grant applications have been selected.

Loans and grants are made to REA borrowers, not projects. A zero interest loan or grant, therefore, is made to an REA borrower, who, in turn, provides funds to any third party. The promissory note covering the loan is between the REA and the REA borrower.

Level of program

A total of 1,915 electric and telephone borrowers are in the REA Electric and Telephone Programs. The Electric Program has 951 electric program borrowers with \$56 billion in assets, serving 11.1 million consumers in 46 states, Puerto Rico, the Virgin Islands. Electric borrowers include electric distribution cooperatives, large electric generating and transmission coops owned by the distribution coops, and municipalities.

The Telephone Program has 964 telephone borrowers with \$11 billion in assets, serving 5.1 million subscribers in 46 states, Puerto Rico, the Virgin Islands and Pacific island trusts, territories, etc. Telephone borrowers include both for-profit companies and cooperatives.

Sources of Funds

All funds for zero interest loans and grants provided under this program come from:

- Interest differential credits to the Rural Economic Development Subaccount based on REA borrowers, cushion of credit payments.

- Other funds made available to the Subaccount, e.g., appropriations.
- Repayment of zero interest loans into the Subaccount.

There will be approximately \$6.5 million available in this program for FY 1990. This includes \$5.0 million appropriated and approximately \$1.5 million in interest differential credits. Out of the \$6.5 million, approximately \$4 million has not been allocated to projects.

#### Purposes of Zero Interest Loans and Grants

Loans and grants are made to promote rural economic development and/or for job creation projects, including, but not limited to:

- Project feasibility studies
- Start-up costs
- Incubator projects
- Other reasonable expenses

There is a preference for loans over grants because the repaid principal of loans will provide additional funds for new projects. Zero interest loans and grants currently have a maximum size of \$100,000 and a minimum size of \$10,000. There are six preapplication filing periods--the 1st through the 14th of February, April, June, August, October and December. Factors the Administrator considers in selecting applications are supplemental financing for the project, unemployment rates, per capita personal income levels, job creation, and other factors:

Improving marketable skills; being a "Demonstration Project;" located in rural areas as defined in RE Act (less than 1,500 population); endorsements and sponsorships, including SBA Certified Development Companies; not-for-profit or employee ownership; probability of long-term success; borrower's cushion of credit payments and the REA borrower's financial and management situation.

The types of projects selected include business incubators, establishment or expansion of factories or businesses, industrial development parks, water and sewer line extension, research and development for electric heat pump, headquarters building for local rural development council and several others.

**STATE: California**

Department(s) responsible for ED: Business and Trade Agency

Activities, dollars and assessment of effectiveness wrt:

**1. Planning and Policy development**

Agency is in the process of defining its mission. Not organized to respond to dislocations of any type.

**2. State ED Strategy**

Governor recently issued a growth management strategy.  
No economic development strategy.

**3. Business management assistance programs**

No

**4. Business financing programs**

Three EDA funded RLFs with approx. \$4m. capital. Two in process of being revitalized.

**5. Industrial extension/technology transfer capacity**

DOC/NIST funded Manufacturing Center serving LA area, primarily defense conversion

**6. Assistance for local planning and strategy development**

None

**7. Rural Development Council**

No. State withdrew its request.

**8. ED related infrastructure**

Rural Development Infrastructure Program. \$3m. loan fund for rural construction projects

**9. Other**

State Employment Training Fund is supporting operating costs of the Process Technology Training Center recently established (EDA funded construction) in Siskiyou County. Provides manufacturing process training to dislocated timber workers.

**STATE: Washington**

Department(s) responsible for ED: Trade and ED, and Community Affairs Depts.

Activities, dollars and assessment of effectiveness wrt:

**1. Planning and Policy development**

100 staff for Trade and ED and 300 in Community Affairs

**2. State ED Strategies**

Multi-agency Governor's Timber Team established in 1991. Biennial funding \$750,000. Coordinates multi-agency community assistance program. Strategy is value added forest products (not diversification)

**3. Business assistance programs**

Forest products division (10 professional staff) provides marketing, process improvement technology assistance, maintenance of existing equipment, formation of local business networks, etc., to forest product companies

**4. Business financing programs**

USDA/Forest Service funded RLF for forest product companies (approx. \$1.7m) nb. State legislation precludes using state funds for business loans.

**5. Industrial extension/technology transfer capacity**

- University of Washington applied last year for NIST/MTC program. Probably will reapply in 1974.
- In process of designing a state supported technology transfer network. Boeing and Battelle have their own programs as does Hanford.

**6. Assistance for local planning and strategy development**

**7. Rural Development Council**

Yes

**8. ED related infrastructure**

\$5.2m. grant/loan fund of which \$3.2m targetted to timber dependent communities

## **9. Other**

- JTPA through Employment Security Admin., active PICs.
- State is very active in wood product export market development. Japan: Washington Village constructed of State wood products, expanding market for wood fixtures (doors, windows).

Looking to european market for finished wood products.

- Concerned that President not suggest diversification sectors, eg tourism. State believes community expectations exceed reality. Also should be sensitive to potential defense conversion problems. Military base dependency high, will likely be impacted in the future.
- Timber dependency is not exclusively a rural problem. Areas of the Seattle/Tacoma MSA have problems.
- State facing \$2b. deficit.
- By design, no state regional offices

**STATE: Oregon**

Department(s) responsible for ED: Oregon Economic Development Department  
(includes Dept. of Communit Dev.)

Activities, dollars and assessment of effectiveness wrt:

Funded primarily with State lottery revenues. Currently \$150m. pa. Tax limitation legislation passed three years ago (Ballot measure 5.) contributed to current fiscal crisis. Pressure to reallocate lottery funds to education.

- 1. Overall planning/policy development capacity**
- 2. State ED Strategies**

Oregon Shines and Oregon Benchmarks  
Key Industries Program.

Re timber industry problems, focus appears to be on diversification versus timber industry restructuring etc.

**3. Business assistance programs**

- Regional Business Development Officers (5 one person offices. Business recruitment
- 19 small business development subcenters, 50% SBA funding (through Lane County Community College) and 50% State match (considered exemplary among such programs)
- State ranks fifth in rate of entrepreneurial development. Need less to stimulate entrepreneurship but to ensure they survive and expand.

*- 150 - programs - not effective on the books*

**4. Business financing programs**

State RLF of \$12-15m. Small business financing but not strategically focused.

**5. Industrial extension/technology transfer capacity**

- Oregon Wood Products Competitiveness Council/Association (expected to apply for NIST/MTC assistance under defense conversion), service network to increase productivity and competitiveness of member firms.
- Key industries program networks companies with mutual research needs to seek help from universities

**6. Assistance for local planning and strategy development**

- Regional Strategies Program started in 1987, \$60m. to date to support development and implementation of regional strategies. Evaluation by independent contractor

endorses concept, indicates some success, but State needs to place more emphasis on building regional professional capacity to organize, plan and manage implementation. Program is ongoing but State fiscal problems may limit funding.

- Non-profit Rural Development Initiatives Inc.. Supports capacity building to very small communities, emphasis on timber dislocations. Program includes circuit riders providing among other things, grant writing assistance.

## **7. Rural Development Council**

Very active forum for sharing ideas and information. Developing a Rural Development Information Network.

## **8. ED related infrastructure**

Through regional strategies program and community development program. Latter includes CDBG and special public works "severely affected communities program."

## **9. Other**

- Manages State JTPA. Started regional "work force quality councils" in 1991.

BqS investment  
JF - 150 on the Books  
↓

- Based on ISC plan

Draft 3/18/93  
HFK

## B. Impact of the Forest Management Plan

### I. Background:

#### A. Issue:

A forest ecological system is complex and varied. Managing to preserve and enhance spotted owl habitat has major implications for the overall structure and function of the entire forest, for other wildlife species, the water quality in streams and rivers, the appearance of the forest, and the age, quality, and composition of its plant and animal communities.

The set of factors affecting long-term viability of the northern spotted owl and other old-growth dependent species are complex and not precisely known. While most people want to see the spotted owl and other old-growth dependent species survive, there is disagreement over what populations should be provided for the forest management that will ensure long term survival.

Species which need young forests and species which need old forests are affected by changes in the age, composition, and distribution of forest areas. Management to provide the diversity of the forest's structure and function is itself an issue. The spotted owl was selected as an indicator for other species and many people see it as a surrogate for old-growth stands and other old-growth related species. It has become a stand-in in the debate over how the Federal Forests should be managed. The management of habitat for the northern spotted owl will affect many other wildlife species and the old-growth forest ecological system themselves.

Making the problem more difficult is that the timber management program of the U.S. Forest Service and Bureau of Land Management within the range of the spotted owl has focused on harvesting older forest areas for timber and replacing them with faster growing young stands. Since older forest areas are central to the spotted owl's habitat, this part of the timber management program impacts spotted owl habitat and the viability of this subspecies.

#### B. Endangered Species Act:

The northern spotted owl is listed under the Endangered Species Act of 1973 as threatened with extinction as a subspecies by the U.S. Fish and Wildlife Service. The long-term viability of the spotted owl depends on adequate, well distributed habitat for all of its life functions.

### II. Likely Plan

The Recovery Plan for the Northern Spotted Owl (draft April 1992) outlines steps necessary to bring about recovery of the Northern

Spotted Owl. Implementation will be done through incorporation of appropriate portions of the recovery plan in agency decision documents such as forest plans, park management plans, and state game management plans. Such documents are then subject to the NEPA process of public review and selection of alternatives.

As the primary means for achieving recovery, the draft plan recommends establishing 196 designated conservation areas (DCAs) to provide approximately 7.5 million acres of federal forestland as the primary habitat for the northern spotted owl population. These DCAs include approximately 48 percent of the total remaining spotted owl nesting, roosting, and foraging habitat on federal lands. The largest DCAs are designed to support a population of 20 or more pairs of owls in habitat conditions that allow successful breeding rearing young. They are located to allow owls to disperse from one DCA to another. Each DCA contains areas of currently existing owl habitat combined with areas of younger forests. These younger stands will be protected so they can mature into owl habitat. The DCAs contain approximately 1,180 known owl pairs on federal lands. This represents about 48 percent of the total pairs currently known on all federal lands. When the DCAs become fully developed owl habitat, they will support a population of approximately 2,320 pairs of owls.

DCAs are located to take advantage of other forestland containing owl habitat that will not be harvested or will be harvested in a manner that does not reduce habitat value. Such areas include parks, wilderness areas, and certain administratively reserved areas. DCAs also are located in a pattern to reduce the risk to the owl population from natural threats such as fire, disease, and insects.

The draft recovery plan recommends that activities on federal lands within the DCAs be focused on improving conditions for spotted owls.

The following specific management rules for federal lands in DCAs are recommended.

1. No timber harvest is allowed in habitat suitable for northern spotted owls.
2. Silvicultural practices, such as thinning, will be used to promote rapid development of owl habitat in those areas that currently do not provide habitat suitable for owls.
3. Salvage of trees in stands significantly affected by fire, wind, insects, or diseases may occur but will be limited to those needed to assure the continued existence of owl habitat within the DCA.
4. Management activities designed to reduce the risk of large-scale fire or insect infestation are limited to those needed to assure the continued existence of owl habitat within the DCA.

5. The recovery plan recommends that federal inside DCAs, with the exception of wilderness areas and national parks, be designated as critical habitat.
6. It also recommends that a management plan be prepared for each DCA before management activities are implemented.

### III. Human Costs

*can illustrate ~~the~~ <sup>Detail</sup> in text*

- A. Timber harvest on public lands in Washington, Oregon and Northern California are an important source of employment and income. The estimated annual timber harvests for the final plans, the current owl management regime (Forest Service and BLM implementation of the Interagency Scientific Committee (ISC strategy), and the effect of the Endangered Species Act including the designation of critical habitat, and the recovery plan are in Table 1. The three state total for the Forest Service and Bureau of Land Management is 2.28 billion bd. ft. compared with 4.22 billion bd. ft. as directed in the current Regional Guides and Forest Plans. *? Baseline?*

*Need more recent #s*

*current recovery plan*

*only in DCA*

*GROSS*

- B. Revenue lost due to the timber harvest foregone in the DCAs is \$470 million per year. This estimate is based on the reduction in timber harvest caused by withdrawal of the land in the DCAs and on estimates of 1995 timber prices developed by the Forest Service using the Timber Assessment Market Model (TAMM) for conditions expected under the final plans. *- 150 million in saved management costs*

*Total would be max like 840 million in final plan*

*- must factor in increase in wood cost*

*1 table behind revenue loss*

- C. State and country revenue sharing is projected to fall from \$478,882,000 under current Regional Guides and Forest Plans to \$378,425,000

*need new #s*

- D. Knutson-Vanderberg funding on site restoration after harvest is projected to fall \$150,000,000 with implementation of the Recovery Plan for the Northern Spotted Owl. *? Controls for factors*

- E. Employment loss both direct (50 percent) and indirect (50 percent) is estimated to fall to 35,000 individual with the recovery plan versus 66,395 as directed in the current Regional Guides and Forest Plans. The resulting job coefficients generally fall in the middle of the range of other multipliers that have been used for estimating employment effects of changes in timber harvest. They are generally consistent with the results of the review of a number of such studies by Stevens (1991).

*- look at range of indirect impacts - also job gains from other sectors*

*salmon, recreation, recovery, etc.*

- F. Shifts to private lands in the Pacific Northwest are limited. In the last three years, an additional 4 billion board feet was harvested from private lands to compensate for lack of timber from Federal lands. However current forest inventory statistics for private lands indicate that there are very limited near term possibilities for continuation of this level of harvest and it is likely that near term production from private lands is likely to fall.

- G. Regional shifts are likely favor Canada which has the physical capacity to increase production. However a major study in British

Columbia, where two-thirds of our lumber imports originates, just announced an expected 18 percent drop in allowable annual cut. In the southern United States, lumber production is at a historic high. However in the South, softwood removals exceeded growth by 14 percent in 1992. This is the first time since 1952 that softwood removals exceeded growth.

- H. Softwood exports from Washington and Oregon peaked at 3.7 billion bd. ft. in 1988 and declined since that time to levels of about 2.5 billion bd. ft. per year, reflecting downturn in the economy of Japan, the primary customer. However, the average value of exported logs has increased set record higher since 1989. Logs from public lands in West can not be exported.
- I. Lumber prices are expected to increase significantly in response to the reduction in timber sales on western public lands. The prices of most softwood timber-based products have increased sharply in the last 5 months (Figure 1). Between early October 1992 and mid-March 1993, softwood lumber prices, as measured by the Random Lengths composite average, rose 96 percent, increasing from about \$250 to more than \$490 per 1,000 board feet. Prices for structural panel products (softwood plywood and oriented strand board) rose about 30 percent over the same period. The Random Lengths average for lumber has increased \$86 since early in February. Lumber futures prices have followed similar trends.

Although prices of softwood lumber panels typically increase during late winter as homebuilders, wholesalers, and other suppliers build inventories in anticipation of the spring and summer building season, the runup over the last few months has been somewhat more steep and prolonged than in past years. As prices have increased, there have been increasing concerns expressed by softwood products consumers, particularly those in the homebuilding industry. They estimate that the rise in softwood prices since October has probably added \$4,000 to \$5,000 to the cost of the average single-family house. Moreover, they maintain that that increases of that magnitude could help stall a recovery in housing and in the overall economy and, in the long run, cause a shift away from timber-based building materials.

According to an analysis published in the February 1993 issue of **Housing Economics**, the National Association of Homebuilders identify the primary forces contributing to the price increases, in addition to the rise in demand, as the declines in timber supplies from government-owned lands in the Pacific Northwest due to restrictions in sales and harvests resulting from the Endangered Species Act's protection of the northern spotted owl and other species, and other laws affecting the forests and forest management in the area, and the environmental litigation surrounding the application of many of these laws. They also mention log and lumber exports, primarily from Pacific Coast ports, and the 6.5 duty on softwood lumber imports from Canada, the source of 25 to 30 percent of U.S. consumption in recent years. Finally, they suggest that speculative behavior such as panic buying and withholding of supplies may have been contributing factors.

Nearly all interested groups recognize that the various factors mentioned above have likely contributed, in part, to the price rise. However, builders and wood products industry representatives have tended to assign most of the blame on the supply declines, primarily from spotted owl-affected National Forests in the Pacific Northwest. On the other hand, spokespersons for several of the environmental organizations, have tended to discount the effects of federal laws and environmental litigation, and place the primary responsibility on increasing demands.

Table 1. Comparison of federal timber available for harvest, 1995 with conservation areas and matrix rules.

| (Billions of board feet)    |                                    |                                                   |                                                           |
|-----------------------------|------------------------------------|---------------------------------------------------|-----------------------------------------------------------|
|                             | Timber Harvest<br>With Final Plans | Timber Harvest With<br>Current<br>Owl Management* | Timber Harvest<br>With Recovery Plan<br>(DCAs & Matrix)** |
| Washington Forest Service   | 0.72                               | 0.26                                              | 0.25                                                      |
| Oregon Forest               | 1.81                               | 1.05                                              | 1.02                                                      |
| Oregon BLM                  | 1.19                               | 0.68                                              | 0.67                                                      |
| Oregon Subtotal             | 3.00                               | 1.72                                              | 1.69                                                      |
| California Forest Service   | 0.50 <sup>a</sup>                  | 0.21                                              | 0.21                                                      |
| California BLM              | 0.00                               | 0.00                                              | 0.00                                                      |
| California Subtotal         | 0.50                               | 0.21                                              | 0.21                                                      |
| Salvage and Silviculture*** |                                    |                                                   | 0.13                                                      |
| Three States Total          | 4.22                               | 2.20                                              | 2.28                                                      |
| Forest Service              | 3.02                               | 1.52                                              | 1.57                                                      |
| BLM                         | 1.19                               | 0.68                                              | 0.72                                                      |

<sup>a</sup> Projections. Final forest plans have not been released.

\* Estimates based on U.S. Fish and Wildlife Service analysis of critical habitat. Assumes 56 percent of planned harvest in matrix is prohibited by listing under the Endangered Species Act and an additional 24 percent is prohibited in critical habitat outside of habitat conservation areas.

\*\* Estimates assume effects of recovery plan matrix guidelines will be the same as effects of current owl management outside of the ISC's habitat conservation areas plus Endangered Species Act.

BLM will provide more precise estimate of matrix effects during draft recovery plan comment period.

\*\*\* Effects of limited silviculture and salvage in DCAs.

DCAs = designated conservation areas

BLM = USDI Bureau of Land Management

*Direct.*

Table 2. Comparison of timber employment levels, 1995, related to federal timber harvest (with conservation areas and matrix).

|                           | Timber Harvest<br>With Final Plans | Timber Harvest With<br>Current<br>Owl Management* | Timber Harvest<br>With Recovery Plan<br>(DCAs & Matrix)** |
|---------------------------|------------------------------------|---------------------------------------------------|-----------------------------------------------------------|
| Washington Forest Service | 10,342                             | 3,814                                             | 3,541                                                     |
| Oregon Forest             | 29,754                             | 17,478                                            | 17,075                                                    |
| Oregon BLM                | 18,546                             | 9,233                                             | 9,137                                                     |
| Oregon Subtotal           | 48,300                             | 26,711                                            | 26,212                                                    |
| California Forest Service | 7,728 <sup>a</sup>                 | 3,434                                             | 3,478                                                     |
| California BLM            | 25                                 | 0                                                 | 0                                                         |
| California Subtotal       | 7,753                              | 3,434                                             | 3,478                                                     |
| Census                    |                                    |                                                   |                                                           |
| Three States Total        | 66,395                             | 33,959                                            | 35,001                                                    |
| Forest Service            | 47,824                             | 24,726                                            | 25,377                                                    |
| BLM                       | 18,571                             | 9,233                                             | 9,624                                                     |

<sup>a</sup> Projections. Final forest plans have not been released.

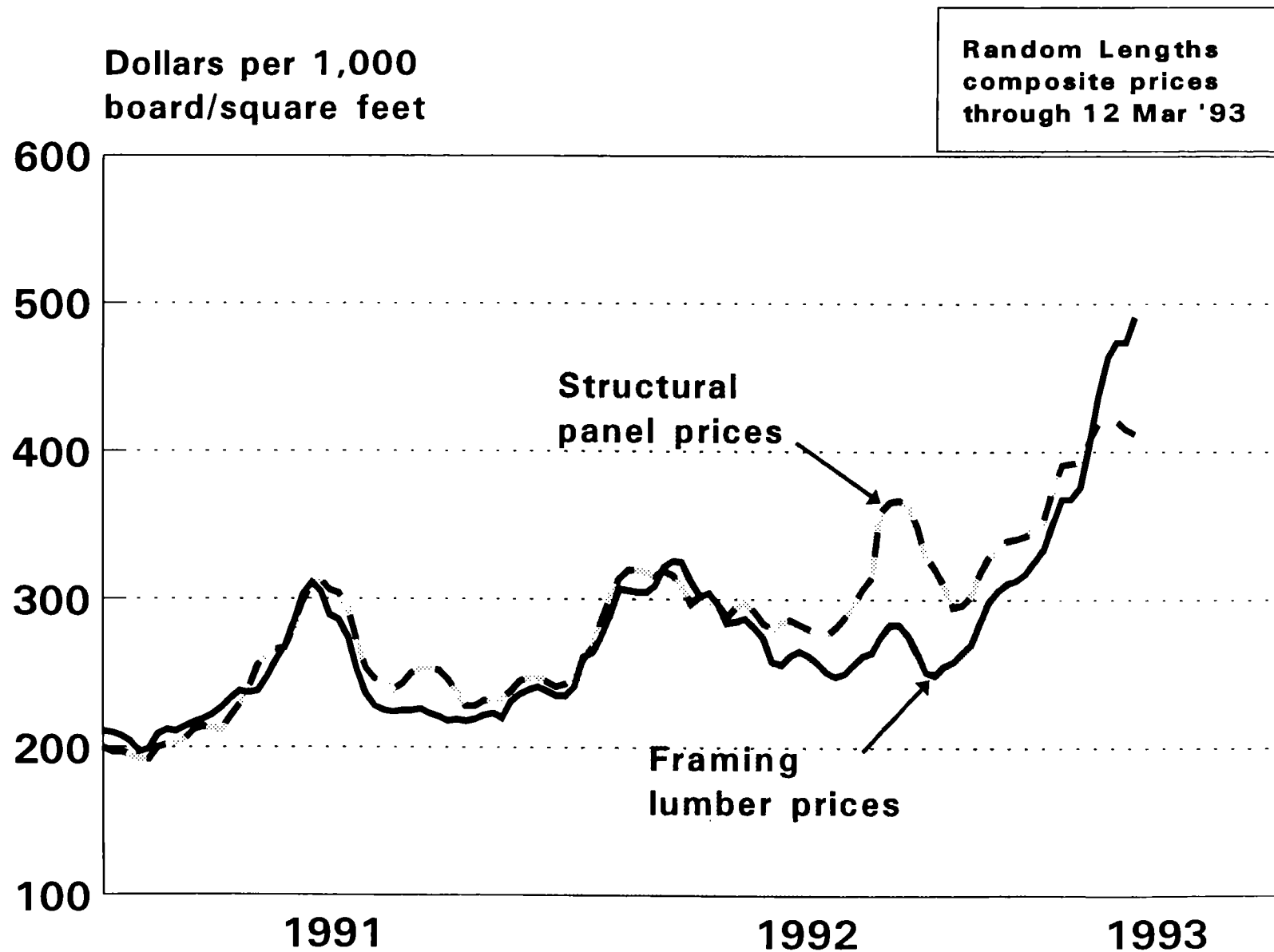
\* Estimates based on U.S. Fish and Wildlife Service analysis of critical habitat. Assumes 56 percent of planned harvest in matrix is prohibited by listing under the Endangered Species Act and an additional 24 percent is prohibited in critical habitat outside of habitat conservation areas.

\*\* Estimates assume effects of recovery plan matrix guidelines will be the same as effects of current owl management outside of the ISC's habitat conservation areas plus Endangered Species Act.

BLM will provide more precise estimate of matrix effects during draft recovery plan comment period.

DCAs = designated conservation areas  
BLM = USDI Bureau of Land Management

# SOFTWOOD LUMBER AND STRUCTURAL PANELS PRICES



# Forest Summit Matrix

| PROGRAMS                                                         | \$ AVAILABLE                                                                                                                                                                                                                                                                                       | SHORT TERM | MED. TERM | LONG TERM |
|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-----------|
| <u>Worker Retraining and Reemployment Programs</u> <i>bold</i>   |                                                                                                                                                                                                                                                                                                    |            |           |           |
| JTPA Title III Dislocated Worker Program (DOL)                   | <p>In 1993:<br/>\$4.3 million to OR<br/>\$6.5 million to WA<br/>\$59 million to CA</p> <p>Also, \$105 million can be spent at discretion of Secretary of Labor. In 1992, \$19 million of these funds <del>have been</del> <i>descript.</i> allocated to WA (\$7.7), OR (\$8.4) and CA (\$2.5).</p> |            |           |           |
| Trade Adjustment Assistance (TAA) (DOL)                          | TAA <i>currently</i> provides relief for approx <i>3500</i> timber industry workers at a cost of \$10.5 million.                                                                                                                                                                                   |            |           |           |
| Wagner-Pryser Act/Labor Exchange Program (DOL)                   | Funds are allocated to each State to plan and administer a labor exchange program. Objectives of the program are to assist jobseekers in finding employment and to assist employees in filling job vacancies. <i>(includes FAP)</i>                                                                |            |           |           |
| Job Opportunities and Basic Skills Training (JOBS) Program (HHS) |                                                                                                                                                                                                                                                                                                    |            |           |           |
|                                                                  |                                                                                                                                                                                                                                                                                                    |            |           |           |

- "one-stop shopping"  
 - one application,  
 Team packages resources  
 to meet special needs.

What if Feds set up "Federal Action Teams" *or Rapid response* that would move quickly to coordinate Fed response to special industry problems.

## DEPARTMENT OF LABOR EMPLOYMENT AND TRAINING ADMINISTRATION TRAINING FOR DISLOCATED WORKERS

### The Affected States

#### ◆ CALIFORNIA

Between 1990 and 1992, the civilian labor force has grown from 14,670,000 to 15,157,000 while the employment level has decreased from 13,846,000 to 13,805,000. The resulting unemployment rate has increased from 5.6 percent to 9.1 percent.

#### ◆ OREGON

Between 1990 and 1992, the civilian labor force grew from 1,492,000 to 1,537,000 while the unemployment level increased from 82,000 to 115,000, resulting in an increase in the unemployment rate from 5.5 percent to 7.5 percent.

#### ◆ WASHINGTON

Between 1990 and 1992, the civilian labor force grew from 2,503,000 to 2,598,000 while unemployment increased from 122,000 to 195,000, resulting in an increase in the unemployment rate from 4.9 percent to 7.5 percent.

General State population and labor force data are found in Attachment A. An excerpt from the Environmental Impact Statement describing the population, economy, and the extent to which the economies of some counties depend on timber is found at Attachment B. Demographic data, such as urban-rural population breaks, may be available from the Census Bureau.

### Timber Industry Employment

Employment in forest products industries in Washington State, Oregon, and California has trended downward since 1989:

EMPLOYMENT IN FOREST PRODUCTS INDUSTRIES  
(in thousands of persons)

| STATE      | YEAR |      |       |       |      |      |
|------------|------|------|-------|-------|------|------|
|            | 1981 | 1986 | 1989  | 1990  | 1991 | 1992 |
| California | 96.6 | 99.0 | 112.5 | 109.3 | 97.5 | NA   |
| Oregon     | 74.1 | 72.9 | 76.1  | 72.8  | 66.4 | NA   |
| Washington | 61.6 | 53.1 | 59.6  | 58.8  | 55.9 | NA   |

NA = Not Available  
source: USDA

The recent decline in employment has occurred in large part due to reduced timber harvests from National Forest lands. Employment levels shown on Attachment C reflect a significant decline in such employment from 1989 to 1990. Approximately 52,000 individuals were employed in this activity in 1990.

Workforce Distribution

[Much of this section is from a report prepared by Brian J. Greber for the U.S. Fish and Wildlife Service.]

Census data for 1987 indicated that the largest share of timber industry employment in Washington and Oregon was in Sawmilling, with 28 percent of industry workers. Pulp and paper had 20 percent, and logging, veneer and plywood, and wood preserving and remanufacturing had roughly equal shares of the remainder of the workforce.

These data do not include three direct components of the area's timber workforce. Proprietors (owner-operators) represent a small percentage of total industry employment, but are fairly common in the logging sector. Log truck drivers employed by trucking firms (as opposed to lumber companies) are also not included. Finally, forestry services (tree planters, fertilizer applicators, and similar occupations) account for several thousand full-time jobs and additional thousands of seasonal/part-time jobs.

The impact of removing Federal lands from the areas' timber supply would be felt most directly by loggers. Proportionately less affected would be lumber, plywood and other wood products, as a portion of exports is redirected to domestic

processing. Employment in pulp and paper processing is likely to be the least affected.

### Workforce Skills

Detailed skill breakdowns for the timber industry are not yet available. A brief listing of some timber industry occupations may be found in Attachment D.

## **SERVICES FOR DISLOCATED WORKERS**

Workers terminated laid off due to reduced timber harvests on Federal lands are likely to be eligible for services through programs administered by the U.S. Department of Labor. These programs include the Federal-State Unemployment Compensation System, the Employment Service, Title III of the Job Training Partnership Act, and Trade Adjustment Assistance. Following are descriptions of these and other programs which might be of assistance.

### Unemployment Insurance (UI) and the Employment Service

Unemployed timber/lumber workers may be eligible for up to 26 weeks of UI as well as an additional 20 weeks (26 weeks in States with exceptionally high unemployment, e.g. California, Oregon, and Washington) under the recently enacted Extended Unemployment Compensation (EUC) program. In California, Oregon, and Washington all UI-EUC recipients are referred to the Employment Service for job search assistance, placement and/or referral to training.

### Trade Adjustment Assistance (TAA)

Employees of firms that have to downsize in part as a result of imports may qualify for certain retraining and income support services under the TAA program. From 1990 through February 1993, employees who have lost their jobs from 14 wood product firms in Oregon and 49 wood product firms in Washington have been certified eligible for TAA. It is estimated that 3,429 workers have been covered by these various TAA certifications. There has not been any TAA petition activity in the wood products industry during this period from California. A complete listing of the TAA certifications for this period may be found in Attachment E.

### JTPA Title III Dislocated Worker Program

Through the Employment and Training Administration (ETA), the Department of Labor provides funds to States to train dislocated workers and to help them find new employment. Under Title III of the Job Training Partnership Act (JTPA), State and local entities offer reemployment assistance and retraining services to eligible dislocated workers. (The JTPA Title III program is sometimes referred to as the EDWAA program, an acronym for the legislation which created the most recent version of Title III, the Economic Dislocation and Worker Adjustment Assistance Act.)

[It is important to note that President Clinton has proposed, as part of his "Investment" package, the creation of a new, comprehensive dislocated worker program which would incorporate the best features of the Title III and TAA programs and would be funded at a level considerably higher than those two programs combined. Complete details of the new legislative proposal are not yet established. Under current plans, the new program, if passed, would become fully effective on July 1, 1994. Therefore, the discussion below describes the existing Title III program.]

◆ Eligibility

Eligibility for Title III programs is based on the statutory definition of "eligible dislocated worker." This term includes individuals who are:

- terminated or laid off, or have received notice of termination or layoff, due to a plant closing or substantial layoff;
- terminated, laid off, or received a notice thereof, are eligible for unemployment compensation, and are unlikely to return to their previous industry or occupation;
- long-term unemployed, with limited local opportunities for jobs in their fields; and
- unemployed, and formerly self-employed.

Individuals working at a facility where the employer has publicly announced the future closing of the plant are eligible for many adjustment services immediately following such announcement, and are eligible for retraining services 180 days before the announced closing of the facility.

◆ Formula-allotted Funds

Eighty percent of the annual appropriation (\$527 million in Fiscal Year 1993) is provided to the States by formula. Allotments are made on a Program Year basis, with the Program Year running from July 1 of the Fiscal Year for which the appropriation is made to the following June 30. Allotments for the three North-west States for the current Program Year (PY 1992) and for PY 1993 (beginning July 1, 1993) are shown below:

**TITLE III FORMULA ALLOTMENTS  
TO TIMBER STATES**

| STATE      | PROGRAM YEAR |              |
|------------|--------------|--------------|
|            | 1992         | 1993         |
| California | \$53,821,916 | \$59,364,587 |
| Oregon     | 4,643,080    | 4,303,648    |
| Washington | 6,142,633    | 6,588,228    |

Source: ETA data

The formula-allotted funds identified above are provided to the States to serve all affected workers within the State. The States, in turn, distribute at least 60 percent of their formula funds to **Substate Grantees** representing local geographical areas. Particularly in California, funds going to regions heavily impacted by timber-related dislocations may represent only a small proportion of the States' total formula allotment received from the Department of Labor. Information from Oregon and Washington suggests that as much as 20 percent of their formula grants are used to serve timber industry workers.

◆ Discretionary Funds

The remaining 20 percent of the annual appropriation (approximately \$105 million) are reserved by the Secretary of Labor and are primarily used to support projects designed to assist workers dislocated due to plant closings and mass layoffs in areas where the need for assistance exceeds the available resources.

The Department annually publishes guidelines for use in applying for discretionary funds. Among other things, a State's application must address the following:

- how much money they are requesting;
- the time period for which funds are requested;

- the target community to be served;
- local economic conditions;
- the number of affected workers;
- the needs of the affected workers;
- demand occupations in the affected area;
- available training facilities in the affected area;
- the mix of services to be offered;
- the entity that will operate the program at the local level.

Western States with major timber industry dislocations are familiar with these procedures, and have successfully applied for discretionary funds to serve these workers. The table below shows discretionary grants specifically to serve former timber industry workers in the three States.

**TIMBER PROJECTS SUPPORTED WITH  
TITLE III DISCRETIONARY FUNDS**

| STATE      | PROGRAM YEAR |             |      |             |      |             | TOTAL |              |
|------------|--------------|-------------|------|-------------|------|-------------|-------|--------------|
|            | 1990         |             | 1991 |             | 1992 |             |       |              |
|            | No.          | Amount      | No.  | Amount      | No.  | Amount      | No.   | Amount       |
| California | 1            | \$1,500,000 | 0    | 0           | 1    | \$1,000,000 | 2     | \$2,500,000  |
| Oregon     | 1            | 2,200,000   | 3    | 5,100,000   | 1    | 1,100,000   | 5     | 8,400,000    |
| Washington | 2            | 4,350,000   | 0    | 0           | 2    | 3,445,549   | 4     | 7,795,549    |
| Totals     | 4            | \$8,050,000 | 3    | \$5,100,000 | 4    | \$5,545,549 | 11    | \$18,695,549 |

Source: ETA data

A complete description of these grants is shown in Attachment F.

In addition to the projects identified above, two awards of Program Year 1992 funds, totalling \$1 million, were made to Washington State for workers dislocated from Weyerhaeuser and Grays Harbor Paper Companies.

### ◆ Demonstration Programs

The Secretary of Labor is authorized to use funds from the discretionary account to support innovative programs of assistance for dislocated workers. During the past two Program Years, funds were provided for a series of Job Creation Demonstrations and for Farmer and Rancher Demonstrations. None of the current demonstration projects is located in California, Oregon or Washington.

### Services

Under Title III, assistance to dislocated workers comes under one or more of four categories. **Basic readjustment services** includes job search assistance, resume preparation, assessment of skills and aptitudes, and placement assistance. **Retraining activities** include occupational skill training in a classroom setting, on-the-job training, and remedial and basic education. **Supportive services** are intended to help an individual participate in training and may include child care allowances, transportation assistance, and emergency medical aid. **Needs-related payments** is a specialized form of supportive service which are provided to eligible individuals who enroll in training soon after their dislocation. These payments provide an income extension for individuals to continue to participate in retraining activities after exhausting their UI entitlement.

Programs under the JTPA are designed at the local level, within the framework established by Federal statute and regulation and by State policies and procedures. Services available to dislocated workers are based primarily on the needs of the workers and the local labor market. Nationally, approximately half of the participants in Title III programs--individuals deemed ready to return to work without additional skill training--receive adjustment services such as job search assistance to facilitate their return to employment. The remainder receive occupational skill training as well as basic adjustment services to help them find work. Relocation services are available to help individuals who want to look for work in another labor market, and for those who find a job and need help moving themselves and their families to the new location.

### Miscellaneous Programs

Several other non-Department of Labor programs may offer assistance for dislocated timber industry workers. Among them are Pell grants, for use in covering tuition costs and other expenses associated with higher education. These grants are available to dislocated workers and are administered by the Department of Education. Furthermore, several States offer retraining and similar services using

State funds. An example of this is California's Employment and Training Panel. Oregon supports such a program aimed specifically at timber industry workers.

### Assistance for Timber Workers

The worker dislocations caused by reduced timber harvests will have a significant impact on certain regions and on entire communities. Many of these areas require additional assistance from their States to plan and implement effective adjustment strategies. Through direct contacts with State officials, Employment and Training Administration officials have encouraged and assisted Oregon and Washington in developing an overall approach to the projected dislocations.

Because timber communities tend to be rural, they often lack significant alternative employment opportunities for dislocated timber workers. Their location often places them at some distance from existing training institutions. For these reasons, traditional training and employment programs may not represent the appropriate vehicles for responding to the workers' needs. Development of comprehensive, area-wide community plans and response strategies may help to improve the chances for success for worker adjustment services.

Because of the dispersed and relatively isolated locations of dislocated timber industry workers, the average cost of providing training and reemployment services to such individuals often exceeds the national average for dislocated workers. Based on the timber industry projects supported through the Secretary's discretionary account, the average cost per timber industry participant is \$3,000 in discretionary funds. This contrasts with the approximately \$2,000 average for other dislocated worker projects. The extra cost is partially related to the additional supportive services provided to participants who attend training away from their residence.

ANNUAL AVERAGE POPULATION CONTROLLED  
CPS ESTIMATES FOR CALIFORNIA  
(NUMBERS IN THOUSANDS)

| YEAR | CIVILIAN<br>NONINSTI-<br>TUTIONAL<br>POPULATION | CIVILIAN<br>LABOR FORCE | EMPLOYMENT | UNEMPLOYMENT<br>LEVEL | UNEMPLOYMENT<br>RATE |
|------|-------------------------------------------------|-------------------------|------------|-----------------------|----------------------|
| 1970 | 13532.0                                         | 8167.0                  | 7575.0     | 592.0                 | 7.3                  |
| 1971 | 13894.0                                         | 8407.0                  | 7669.0     | 739.0                 | 8.8                  |
| 1972 | 14233.0                                         | 8653.0                  | 7996.0     | 656.0                 | 7.6                  |
| 1973 | 14590.0                                         | 8910.0                  | 8286.0     | 624.0                 | 7.0                  |
| 1974 | 14975.0                                         | 9317.0                  | 8638.0     | 679.0                 | 7.3                  |
| 1975 | 15386.0                                         | 9539.0                  | 8598.0     | 941.0                 | 9.9                  |
| 1976 | 15824.0                                         | 9896.0                  | 8990.0     | 906.0                 | 9.2                  |
| 1977 | 16278.0                                         | 10367.0                 | 9513.0     | 853.0                 | 8.2                  |
| 1978 | 16762.0                                         | 10911.0                 | 10137.0    | 775.0                 | 7.1                  |
| 1979 | 17214.0                                         | 11268.0                 | 10566.0    | 702.0                 | 6.2                  |
| 1980 | 17687.0                                         | 11584.0                 | 10794.0    | 790.0                 | 6.8                  |
| 1981 | 18069.0                                         | 11812.0                 | 10938.0    | 875.0                 | 7.4                  |
| 1982 | 18427.0                                         | 12178.0                 | 10967.0    | 1210.0                | 9.9                  |
| 1983 | 18725.0                                         | 12281.0                 | 11095.0    | 1187.0                | 9.7                  |
| 1984 | 19162.0                                         | 12610.0                 | 11631.0    | 980.0                 | 7.8                  |
| 1985 | 19644.0                                         | 12981.0                 | 12048.0    | 934.0                 | 7.2                  |
| 1986 | 20065.0                                         | 13332.0                 | 12442.0    | 890.0                 | 6.7                  |
| 1987 | 20525.0                                         | 13737.0                 | 12946.0    | 791.0                 | 5.8                  |
| 1988 | 20985.0                                         | 14133.0                 | 13385.0    | 748.0                 | 5.3                  |
| 1989 | 21460.0                                         | 14518.0                 | 13780.0    | 737.0                 | 5.1                  |
| 1990 | 21939.0                                         | 14670.0                 | 13846.0    | 823.0                 | 5.6                  |
| 1991 | 22426.0                                         | 14833.0                 | 13714.0    | 1119.0                | 7.5                  |
| 1992 | 22925.0                                         | 15187.0                 | 13805.0    | 1382.0                | 9.1                  |

ANNUAL AVERAGE POPULATION CONTROLLED  
CPS ESTIMATES FOR OREGON  
(NUMBERS IN THOUSANDS)

| YEAR | CIVILIAN<br>NONINSTI-<br>TUTIONAL<br>POPULATION | CIVILIAN<br>LABOR FORCE | EMPLOYMENT | UNEMPLOYMENT<br>LEVEL | UNEMPLOYMENT<br>RATE |
|------|-------------------------------------------------|-------------------------|------------|-----------------------|----------------------|
| 1973 | 1601.0                                          | 1005.0                  | 943.0      | 63.0                  | 6.2                  |
| 1974 | 1646.0                                          | 1027.0                  | 949.0      | 77.0                  | 7.3                  |
| 1975 | 1691.0                                          | 1055.0                  | 943.0      | 112.0                 | 10.6                 |
| 1976 | 1740.0                                          | 1088.0                  | 984.0      | 104.0                 | 9.5                  |
| 1977 | 1800.0                                          | 1156.0                  | 1070.0     | 85.0                  | 7.4                  |
| 1978 | 1862.0                                          | 1224.0                  | 1149.0     | 74.0                  | 6.1                  |
| 1979 | 1923.0                                          | 1243.0                  | 1158.0     | 85.0                  | 6.8                  |
| 1980 | 1974.0                                          | 1297.0                  | 1189.0     | 107.0                 | 8.3                  |
| 1981 | 1998.0                                          | 1339.0                  | 1207.0     | 132.0                 | 9.9                  |
| 1982 | 2003.0                                          | 1323.0                  | 1171.0     | 153.0                 | 11.5                 |
| 1983 | 2008.0                                          | 1341.0                  | 1196.0     | 145.0                 | 10.8                 |
| 1984 | 2023.0                                          | 1334.0                  | 1209.0     | 125.0                 | 9.4                  |
| 1985 | 2027.0                                          | 1317.0                  | 1202.0     | 116.0                 | 8.8                  |
| 1986 | 2056.0                                          | 1360.0                  | 1245.0     | 115.0                 | 8.5                  |
| 1987 | 2084.0                                          | 1388.0                  | 1302.0     | 86.0                  | 6.2                  |
| 1988 | 2123.0                                          | 1426.0                  | 1343.0     | 83.0                  | 5.8                  |
| 1989 | 2160.0                                          | 1475.0                  | 1391.0     | 84.0                  | 5.7                  |
| 1990 | 2197.0                                          | 1492.0                  | 1409.0     | 82.0                  | 5.5                  |
| 1991 | 2235.0                                          | 1508.0                  | 1418.0     | 90.0                  | 6.0                  |
| 1992 | 2274.0                                          | 1537.0                  | 1422.0     | 115.0                 | 7.5                  |

ANNUAL AVERAGE POPULATION CONTROLLED  
CPS ESTIMATES FOR WASHINGTON  
(NUMBERS IN THOUSANDS)

ATTACHMENT A  
(continued)

| YEAR | CIVILIAN<br>NONINSTI-<br>TUTIONAL<br>POPULATION | CIVILIAN<br>LABOR FORCE | EMPLOYMENT | UNEMPLOYMENT<br>LEVEL | UNEMPLOYMENT<br>RATE |
|------|-------------------------------------------------|-------------------------|------------|-----------------------|----------------------|
| 1970 | 2285.0                                          | 1414.0                  | 1285.0     | 130.0                 | 9.2                  |
| 1971 | 2331.0                                          | 1402.0                  | 1259.0     | 142.0                 | 10.1                 |
| 1972 | 2371.0                                          | 1435.0                  | 1297.0     | 137.0                 | 9.5                  |
| 1973 | 2416.0                                          | 1484.0                  | 1367.0     | 117.0                 | 7.9                  |
| 1974 | 2485.0                                          | 1530.0                  | 1420.0     | 109.0                 | 7.2                  |
| 1975 | 2557.0                                          | 1561.0                  | 1412.0     | 149.0                 | 9.5                  |
| 1976 | 2634.0                                          | 1621.0                  | 1481.0     | 140.0                 | 8.7                  |
| 1977 | 2719.0                                          | 1691.0                  | 1544.0     | 148.0                 | 8.8                  |
| 1978 | 2823.0                                          | 1808.0                  | 1684.0     | 124.0                 | 6.9                  |
| 1979 | 2940.0                                          | 1937.0                  | 1806.0     | 131.0                 | 6.8                  |
| 1980 | 3056.0                                          | 1985.0                  | 1828.0     | 156.0                 | 7.9                  |
| 1981 | 3122.0                                          | 1994.0                  | 1806.0     | 190.0                 | 9.5                  |
| 1982 | 3158.0                                          | 2024.0                  | 1779.0     | 245.0                 | 12.1                 |
| 1983 | 3187.0                                          | 2068.0                  | 1838.0     | 231.0                 | 11.2                 |
| 1984 | 3226.0                                          | 2051.0                  | 1857.0     | 194.0                 | 9.5                  |
| 1985 | 3259.0                                          | 2091.0                  | 1921.0     | 170.0                 | 8.1                  |
| 1986 | 3328.0                                          | 2199.0                  | 2018.0     | 180.0                 | 8.2                  |
| 1987 | 3399.0                                          | 2258.0                  | 2087.0     | 171.0                 | 7.6                  |
| 1988 | 3477.0                                          | 2315.0                  | 2173.0     | 143.0                 | 6.2                  |
| 1989 | 3555.0                                          | 2451.0                  | 2300.0     | 151.0                 | 6.2                  |
| 1990 | 3631.0                                          | 2503.0                  | 2381.0     | 122.0                 | 4.9                  |
| 1991 | 3710.0                                          | 2498.0                  | 2340.0     | 157.0                 | 6.3                  |
| 1992 | 3789.0                                          | 2598.0                  | 2403.0     | 195.0                 | 7.5                  |

# People and the Forests

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## Overview

The range of the northern spotted owl encompasses western and central Washington and Oregon, and the northwest quadrant of California. The most important social and economic effects of the alternatives are experienced there.

**Population.** In 1990, that area was home to almost 7 million people. In Washington, 3,677,000 people (76 percent of the State's population) live in counties with spotted owls or spotted owl habitat (Huebner 1991). These counties include the Standard Metropolitan Statistical Areas (SMSAs) of Bellingham, Everett, Seattle, Tacoma, Yakima, and the Washington portion of the Portland metropolitan area. In Oregon, 2,636,000 people (93 percent of all Oregonians) live in counties in the spotted owl's range. This area includes all of Oregon's SMSAs—Portland, Salem, Eugene, and Medford. The spotted owl's range in northern California is in counties which have a total of 506,000 people (comprising less than 2 percent of all Californians). Redding is the SMSA.

**The Economy.** Over the last 50 years, this region has seen significant population growth and a considerable diversification in its economy, with a resulting reduction in its degree of dependence on timber and wood products. However, this diversification has happened primarily in metropolitan areas; rural areas within the range of the spotted owl remain heavily dependent on timber and wood products for their economic base.

**Employment and Wages.** Huebner's (1991) analysis showed that a small portion of each State's 1989 employment was in the lumber and wood products industry. Two percent of Washington's employment and 2.3 percent of its 1989 wages; 5.7 of Oregon's employment and 6.9 percent of its 1989 wages; and 0.3 percent of California's 1989 jobs and wages were in the lumber and wood products sector.

These State-wide percentages mask, however, the major dependence on this sector in many rural counties. Many of the rural counties in the spotted owl's range depend on the lumber and wood products industry for 15 percent of their jobs and 20 percent or more of their people's wages. Some are even more dependent. Skamania County, Washington, depended on timber for 29 percent of its jobs and 36 percent of its wages in 1989. Douglas County, Oregon, depended on timber for 25 percent of its jobs and 33 percent of its wages. The people in Trinity County, California, depended on timber for 16 percent of their jobs and 24 percent of their wages (Huebner 1991).

*The Affected Environment and Environmental Consequences*

**Table 3&4 – 35 Historic Employment Levels**

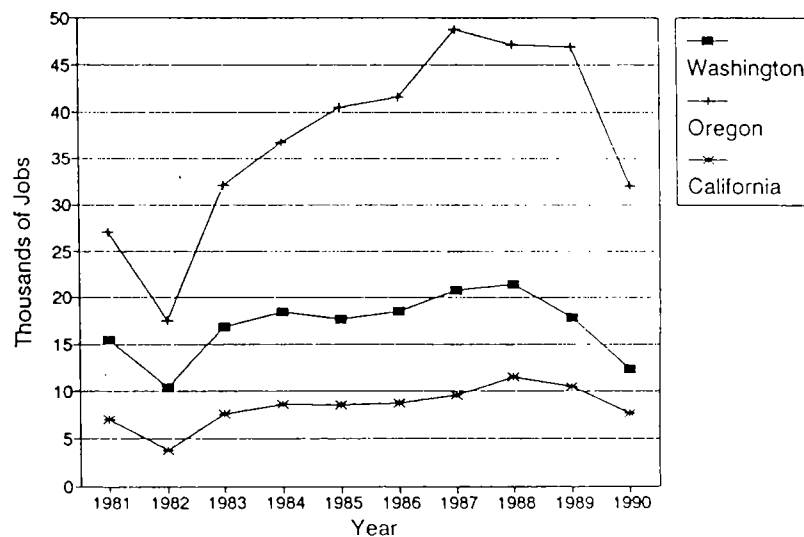
Historic employment levels generated by National Forest timber harvests (jobs per year).

|                      | 1981  | 1982  | 1983  | 1984  | 1985  | 1986  | 1987  | 1988  | 1989  | 1990  | 10-Year<br>Average | Last 5-<br>yr avg |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|-------------------|
| Olympic              | 3600  | 2600  | 3900  | 4900  | 3800  | 3900  | 3900  | 4200  | 3100  | 1800  | 3600               | 3400              |
| Mt. Baker-Snoqualmie | 4100  | 2400  | 4200  | 4500  | 4100  | 5000  | 5700  | 4800  | 3600  | 2600  | 4100               | 4300              |
| Gifford Pinchot      | 3800  | 3500  | 5300  | 5200  | 5500  | 5000  | 6100  | 7500  | 6400  | 4500  | 5300               | 5900              |
| Okanogan             | 1100  | 300   | 1100  | 800   | 900   | 1000  | 1500  | 1900  | 1600  | 700   | 1100               | 1300              |
| Wenatchee            | 2800  | 1600  | 2300  | 3000  | 3400  | 3600  | 3600  | 3000  | 3200  | 2800  | 2900               | 3200              |
| Washington Subtotal: | 15400 | 10400 | 16800 | 18400 | 17700 | 18500 | 20800 | 21400 | 17900 | 12400 | 17000              | 18100             |
| Siuslaw              | 3300  | 1500  | 3700  | 4600  | 4200  | 4300  | 4900  | 5700  | 4300  | 2400  | 3900               | 4300              |
| Mt. Hood             | 3800  | 2400  | 4900  | 5200  | 5400  | 5600  | 5500  | 5400  | 4200  | 3100  | 4600               | 4800              |
| Willamette           | 7900  | 6500  | 9300  | 10300 | 13000 | 12800 | 15100 | 15600 | 14500 | 9000  | 11400              | 13400             |
| Umpqua               | 2800  | 1900  | 3800  | 4600  | 4400  | 5700  | 7800  | 5900  | 7900  | 6100  | 5100               | 6700              |
| Deschutes            | 3400  | 2500  | 3700  | 4200  | 5000  | 3800  | 3600  | 2900  | 3800  | 3500  | 3600               | 3500              |
| Winema               | 1400  | 800   | 2200  | 3300  | 2900  | 3700  | 4500  | 4600  | 4500  | 3800  | 3200               | 4200              |
| Rogue River          | 2900  | 1300  | 2900  | 2500  | 3500  | 2900  | 3300  | 3700  | 3800  | 2200  | 2900               | 3200              |
| Siskiyou             | 1500  | 600   | 1600  | 2100  | 2100  | 2800  | 4000  | 3400  | 3900  | 1900  | 2400               | 3200              |
| Oregon Subtotal:     | 27000 | 17500 | 32100 | 36800 | 40500 | 41600 | 48700 | 47200 | 46900 | 32000 | 37100              | 43300             |
| Shasta-Trinity       | 2100  | 1200  | 3100  | 2600  | 2900  | 2700  | 2700  | 3500  | 2300  | 2900  | 2600               | 2800              |
| Klamath              | 2000  | 1100  | 1500  | 2300  | 1800  | 2600  | 2800  | 2900  | 3500  | 2500  | 2300               | 2900              |
| Mendocino            | 900   | 500   | 800   | 1300  | 1100  | 1000  | 1000  | 1600  | 1300  | 700   | 1000               | 1100              |
| Six Rivers           | 2000  | 1000  | 2200  | 2400  | 2700  | 2400  | 3100  | 3500  | 3400  | 1600  | 2400               | 2800              |
| California Subtotal: | 7000  | 3800  | 7600  | 8600  | 8500  | 8700  | 9600  | 11500 | 10500 | 7700  | 8300               | 9600              |
| Total <sup>1</sup> : | 49400 | 31700 | 56500 | 63800 | 66700 | 68800 | 79100 | 80100 | 75300 | 52100 | 62400              | 71000             |

<sup>1</sup> Rounded to nearest 100 jobs; therefore, may not add to total shown.

**Figure 3&4 – 32 Historic Employment Levels**

Historic employment levels generated by National Forest timber harvests in thousands of jobs per year.



SELECTED EXAMPLES OF LOST TIMBER/LUMBER JOBSLow to Medium Skill Levels

Millworkers (\$9.00/hr)  
Labor (\$8.22-\$10.00/hr)  
Oilerman (\$10.11/hr)  
Single Drop (\$9.76/hr)  
Tallyman (\$9.31/hr)  
Pull Drop Operator (\$9.39-\$9.84/hr)  
Greenchain (\$9.06-\$10.22/hr)  
Hulasaws (\$9.76-\$10.22/hr)  
Car Loader-Tallyer  
Crushing, Grinding, Mixing (\$10.51-\$11.40/hr)  
Furnace, Kiln, Oven, Drier (\$10.58-\$12.00/hr)  
Plywood Worker (\$10.80/hr)  
Sawmillworker (\$10.80/hr)  
Trim Saw Operator (\$10.79/hr)  
Hyster Operator  
Resaw Operator (\$10.22/hr)  
Chipper Operator  
Offbearer (\$10.22/hr)  
Logstacker Operator (\$10.22-\$12.60/hr)  
Bucksaw (\$10.15/hr)  
Forklift Driver (\$10.20-\$11.68/hr)

Medium to High Skill Levels

Head Saw Filer (\$14.16-\$15.14/hr)  
Lumber Grader (\$10.22-\$12.18/hr)  
Planer Operator (\$12.48/hr)  
Mechanic (\$12.50/hr)  
Millwright (\$13.23-\$14.00/hr)  
Head Rig Sawyer (\$14.68/hr)  
Cementing & Gluing Operators (\$10.46-\$19.74/hr)  
Extruding & Forming Machine Operators (\$10.56-\$19.00/hr)  
Extruding, Forming, Pressing (\$15.00-\$18.00/hr)

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TRADE ADJUSTMENT ASSISTANCE WOOD PRODUCT CERTIFICATIONS  
JANUARY 1, 1990 - FEBRUARY 28, 1993  
CALIFORNIA, OREGON, AND WASHINGTON

CALIFORNIA

No petition activity in the wood products industry

OREGON

| <u>Company Name</u>    | <u>City</u>  | <u>Product</u>   | <u>Date Certified</u> | <u>Estimated Number<br/>of Workers</u> |
|------------------------|--------------|------------------|-----------------------|----------------------------------------|
| Georgia-Pacific        | Coquille     | Plywood          | 12/13/90              | 298                                    |
| Linnnton Plywood       | Portland     | Plywood          | 11/25/91              | 194                                    |
| Avison Lumber Co.      | Molalla      | Framing Lumber   | 02/25/92              | 25                                     |
| Bohemia, Inc.          | Eugene       | Lumber           | 03/18/92              | 60                                     |
| Bohemia, Inc.          | Eugene       | Softwood Plywood | 03/18/92              | 60                                     |
| Multnomah Plywood      | St. Helens   | Softwood Plywood | 04/30/92              | 275                                    |
| Mountain Fir Corp.     | Maupin       | Dimension Lumber | 05/21/92              | 50                                     |
| Crater Lumber Co.      | Chiloquin    | Lumber           | 07/13/92              | 300                                    |
| Mt. Fir Lumber Co.     | Independence | Dimension Lumber | 08/07/92              | 50                                     |
| Clear Lumber Mfg.      | Sweet Home   | Softwood Lumber  | 12/04/92              | 30                                     |
| Willamette Industries  | Veneta       | Sanded Plywood   | 01/25/93              | 117                                    |
| Willamette Industries  | Eugene       | Veneer           | 01/25/93              | 118                                    |
| Champion International | Roseburg     | Plywood          | 02/16/93              | 260                                    |
| Medford Corp.          | Medford      | Plywood          | 02/16/93              | 300                                    |
| Total                  |              |                  |                       | 2,137                                  |

WASHINGTON

|                        |             |                       |          |    |
|------------------------|-------------|-----------------------|----------|----|
| The Ridge Co.          | Forks       | Lumber                | 01/08/90 | 20 |
| Christenson Brothers   | Mt. Vernon  | Shakes and Shingles   | 02/28/90 | 25 |
| Hollywood Shake Co.    | Forks       | Shakes and Shingles   | 03/09/90 | 18 |
| Sherico Cedar Products | Forks       | Shakes and Shingles   | 03/22/90 | 18 |
| Jones Shake and Log    | Rockport    | Shakes                | 04/12/90 | 8  |
| Fair Shake CO.         | Forks       | Shakes and Shingles   | 04/13/90 | 7  |
| Newton Cedar Product   | Forks       | Shakes and Shingles   | 05/03/90 | 15 |
| Haight's Enterprises   | Forks       | Shakes and Shingles   | 05/04/90 | 3  |
| Hinchen Brothers       | Forks       | Shakes and Shingles   | 05/04/90 | 33 |
| Premium Shingle Co.    | Beaver      | Shakes and Shingles   | 05/04/90 | 5  |
| Loth Lumber            | Forks       | Cedar Lumber & Siding | 05/25/90 | 50 |
| Sunshine Shake Co.     | Forks       | Shakes and Shingles   | 05/31/90 | 15 |
| WI Forest Products     | Peshastin   | Softwood Lumber       | 06/06/90 | 50 |
| Westend Cedar, Inc.    | Clallam Bay | Shakes and Shingles   | 06/06/90 | 5  |
| North Hoquiam Cedar    | Hoquiam     | Shakes and Shingles   | 06/08/90 | 40 |

WASHINGTON (Continued)

| <u>Company Name</u>     | <u>City</u>   | <u>Product</u>            | <u>Date Certified</u> | <u>Estimated Number<br/>of Workers</u> |
|-------------------------|---------------|---------------------------|-----------------------|----------------------------------------|
| Teal Cedar Products     | Burlington    | Shakes and Shingles       | 06/08/90              | 25                                     |
| Arrow Cedar Co.         | Concrete      | Shakes                    | 06/12/90              | 4                                      |
| Hy-Ka Cedar products    | Sedro Woolley | Shakes and Shingles       | 06/15/90              | 5                                      |
| Happy Valley Shake Co.  | Sedro Woolley | Shakes and Shingles       | 06/21/90              | 4                                      |
| D and H Enterprises     | Forks         | Shakes and Shingles       | 06/25/90              | 10                                     |
| Maralo Shingle & Shake  | Sekiu         | Shingles and Shakes       | 07/13/90              | 4                                      |
| Quality Cedar           | Neilton       | Shakes and Shingles       | 08/02/90              | 20                                     |
| Top Line Cedar          | Aberdeen      | Shakes and Shingles       | 08/20/90              | 15                                     |
| Brittain Creek Cedar    | Aberdeen      | Shakes and Shingles       | 09/10/90              | 4                                      |
| Skagit Shake Co.        | Concrete      | Shakes and Shingles       | 09/26/90              | 11                                     |
| B and P Cedar Products  | Pell          | Cedar Shakes              | 10/18/90              | 10                                     |
| Lakeview Building       | Beaver        | Shakes and Shingles       | 10/30/90              | 10                                     |
| Randle Shake & Shingle  | Randle        | Shakes and Shingles       | 11/16/90              | 15                                     |
| Pope and Talbot, Inc.   | Port Gambel   | Lumber                    | 12/21/90              | 120                                    |
| Bethel Cedar Products   | South Bend    | Shakes and Shingles       | 02/27/91              | 9                                      |
| Prior Shingle Co.       | Forks         | Cedar Shingles            | 02/27/91              | 2                                      |
| Corey and Sons, Inc.    | Port Angeles  | Lumber                    | 02/28/91              | 90                                     |
| Nederlander and Sons    | Chehalis      | Shakes and Shingles       | 04/19/91              | 3                                      |
| Crane Creek Cedar Co.   | Amanda Park   | Softwood Lumber           | 04/26/91              | 37                                     |
| L.P. II, Inc.           | Forks         | Shakes and Shingles       | 05/03/91              | 9                                      |
| Sharpe Cedar Products   | Onalaska      | Fence Boards and Pallets  | 06/07/91              | 15                                     |
| Straits Forest Products | Amanda Park   | Softwood Lumber and Chips | 06/20/91              | 35                                     |
| Straits Forest Products | Port Angeles  | Softwood Lumber and Chips | 06/20/91              | 35                                     |
| C and R Cedar           | Forks         | Shakes and Shingles       | 07/12/91              | 9                                      |
| B and W Shake Co.       | Forks         | Shakes and Shingles       | 07/19/92              | 6                                      |
| Forks Shake             | Port Angeles  | Shakes and Shingles       | 10/07/91              | 40                                     |
| Robertson Shake Mill    | Chehalis      | Shakes and Shingles       | 10/30/91              | 3                                      |
| J.N.R. Shake            | Forks         | Red Cedar Shakes          | 11/12/91              | 5                                      |
| Weyersaeuser Kraft      | Everett       | Pulp                      | 04/03/92              | 280                                    |
| Liberty Lumber Co.      | Arlington     | Cedar Lumber              | 06/30/92              | 35                                     |
| Sherico Cedar Products  | Forks         | Shakes and Shingles       | 07/02/92              | 8                                      |
| Sunshine Shake          | Forks         | Shakes and Shingles       | 09/11/92              | 15                                     |
| Cedarville Shake Co.    | Oakville      | Cedar Shakes              | 12/07/92              | 7                                      |
| Lumber Systems, Inc.    | Vancouver     | Lumber Machinery          | 02/02/93              | 80                                     |
| Total                   |               |                           |                       | 1,292                                  |

**JTPA TITLE III NATIONAL RESERVE ACCOUNT TIMBER PROJECTS**

| STATE | PROGRAM YEAR    | FUNDING LEVEL       | PLANNED PARTICIPANT LEVEL | CURRENT ENROLLMENTS |
|-------|-----------------|---------------------|---------------------------|---------------------|
| CA    | 1990            | \$ 1,500,000        | 367                       | 407                 |
|       | 1992            | \$ 1,000,000        | 355                       | began<br>3/1/93     |
|       | <b>SUBTOTAL</b> | <b>\$ 2,500,000</b> | <b>722</b>                | <b>407</b>          |
| OR    | 1990            | \$ 2,200,000        | 634                       | 822                 |
|       | 1991            | \$ 1,400,000        | 327                       | 342                 |
|       | 1991            | \$ 1,200,000        | 216                       | 274                 |
|       | 1991            | \$ 2,500,000        | 444                       | 285                 |
|       | 1992            | \$ 1,100,000        | 250                       | just award-<br>ed   |
|       | <b>SUBTOTAL</b> | <b>\$ 8,400,000</b> | <b>1,871</b>              | <b>1,723</b>        |
| WA    | 1990            | \$ 4,000,000        | 1,506                     | 1,540               |
|       | 1990            | \$ 350,000          | 120                       | 95                  |
|       | 1992            | \$ 700,000          | 215                       | 122                 |
|       | 1992            | \$ 2,745,549        | 750                       | 97                  |
|       | <b>SUBTOTAL</b> | <b>\$ 7,795,549</b> | <b>2,591</b>              | <b>1,854</b>        |
|       | <b>TOTALS</b>   | <b>\$18,695,549</b> | <b>5,184</b>              | <b>3,984</b>        |

**JTPA TITLE III NATIONAL RESERVE ACCOUNT TIMBER-RELATED PROJECTS**

| STATE                  | PROGRAM YEAR  | FUNDING LEVEL                                         | PLANNED PARTICIPANT LEVEL | CURRENT ENROLLMENTS |
|------------------------|---------------|-------------------------------------------------------|---------------------------|---------------------|
| WA: WEY-ERHAUSER       | 1991          | \$ 250,000                                            | 91*                       | 83                  |
| WA: GRAYS HARBOR PAPER | 1992          | \$ 750,000<br>(1/3 OF TO-<br>TAL POTEN-<br>TIAL AWARD | 400                       | 150                 |
|                        | <b>TOTALS</b> | <b>\$ 1,000,000</b>                                   | <b>491</b>                | <b>233</b>          |

\*NOTE: An additional 280 workers have been certified eligible for retraining services and income support under TAA.

**SUMMARY JTPA TITLE III TIMBER PROJECTS**

**CALIFORNIA**

**1. Timber Subproject**

**Award Date:** January 7, 1991

**Amount:** \$1.5 million

**Number of Planned Participants:** 367

*\$4,000 per worker*

**Geographic Area Served:** Four Substate Grantees (Golden Sierra Consortium, Humbolt County, NORTEC Consortium, and Shasta County) provide services to 14 counties in Northern and Northwestern California.

**Occupations for Retraining:** Automotive, construction, health-related, computers, clerical, and public safety.

**2. Timber Industry Project**

**Award Date:** March 1, 1993

**Grant Award:** \$1,000,000

**Number of Planned Participants:** 355

*\$2800 per participant*

**Geographic Area Served:** Seven counties in Northern California served by the NORTEC Consortium, the JTPA Substate grantee.

**Occupations for Retraining:** Automotive, construction, health-related, computers, clerical, and public safety.

**OREGON**

**1. Timber and Wood Products Project**

**Award Date:** January 29, 1991

**Grant Award:** \$2,200,000

**Number of Planned Participants:** 634

*\$3,500 per*

**Geographic Area Served:** Lane County and six counties in South Central and South West Oregon served by the JTPA Substate grantee, The Oregon Consortium.

**Occupations for Retraining:** Automotive, electronics, criminal justice, maintenance, construction, health-related, computers, clerical, accounting, and teaching.

**2. Timber and Wood Products Project II**

**Award Date:** July 24, 1991

**Grant Award:** \$1,400,000

**Number of Planned Participants:** 327

*\$4300 per participant*

**Geographic Area Served:** Douglas, Lane, Jackson, Josephine and Wasco Counties.

**Occupations for Retraining:** Construction, automotive, computers, electronics, maintenance, manufacturing, welding, accounting, health-related, law enforcement, forestry, truck driving, water/waste water treatment, teaching, cosmetology, industrial technician, and clerical.

3. **Timber and Wood Products Project III**

**Award Date:** January 15, 1992

**Grant Award:** \$1.2 million

**Number of Planned Participants:** 216

*\$ 5,500 per*

**Geographic Area Served:** Clackamas, Douglas, Josephine and Jackson Counties.

**Occupations for Retraining:** Meat cutting, truck driving, automotive, welding, clerical, electronics, accounting, plumbing, mechanic, health-related, computer, A/C heating, business management, teaching, law enforcement, forestry, printing press, carpentry, heavy equipment, and welding.

4. **Timber/Fish**

**Award Date:** June 30, 1992

**Grant Award:** \$2.5 million

**Number of Planned Participants:** 444

*\$ 5,600 per*

**Geographic Area Served:** Lane, Linn, Benton, and Douglas Counties.

**Occupations for Retraining:** Recreational vehicle service technician, automotive, refrigeration, food processing, water/waste water treatment, laboratory technology, truck driving, health-related, heating and air conditioning, electronics, construction, teaching, computers, and commercial printers.

5. **Timber 5**

**Award Date:**

**Grant Award:** \$1,100,000

**Number of Planned Participants:** 250

*\$ 4,400 per*

**Geographic Area Served:** Jackson, Josephine and Lane Counties

**Occupations for Retraining:** Electrician, heating/cooling mechanic, truck/bus/taxi driver, health-related, criminal justice, aviation mechanic, and waste water treatment.

**WASHINGTON**

1. **Wood Products Industrywide Project**

**Award Date:** December 26, 1990

**Grant Award:** \$4,000,000

*\$ 2,600 per*

**Number of Planned Participants:** 1,506

**Geographic Area Served:** State-wide

**Occupations for Retraining:** Health-related, corrections officers, hazardous waste handlers, automotive, computers, heating/ventilation, clerical, and machinists.

**2. Tacoma-Pierce Wood Products**

**Award Date:** June 28, 1991

**Amount:** \$ 350,000

**Number of Planned Participants:** 120

*\$ 2,900 per*

**Geographic Area Served:** Pierce County

**Occupations for Retraining:** Construction, automotive, equipment maintenance, electronics, heating/air conditioning, truck driving, and hazardous waste disposal.

**3. Olympic Timber**

**Award Date:** August 31, 1992

**Grant Award:** \$700,000

**Number of Planned Participants:** 215

*\$ 3,200 per*

**Geographic Area Served:** Jefferson, Clallam, and Kitsap Counties

**Occupations for Retraining:** Corrections officers, automotive, retail, clerical, computer, mechanics, health-related, truck driver, and technicians.

**4. Pacific Mountain Wood Products**

**Award Date:** November 24, 1992

**Grant Award:** \$2,745,549

**Number of Planned Participants:** 750

*\$ 3,600 per*

**Geographic Area Served:** Grays Harbor, Lewis, Mason, Pacific, and Thurston Counties

**Occupations for Retraining:** Fisheries maintenance, environmental sciences, office technology, corrections officers, truck drivers, and health-related.

*Total: approximately \$ 3,800 per participant*

EDA

## FOREST SUMMIT: ECONOMIC DEVELOPMENT ADMINISTRATION

### ADJUSTMENT MISSION:

- Build community capacity to formulate, coordinate resources and design tools to implement appropriate strategies to restructure and revitalize local economy.

### PROGRAM TOOLS:

Econ Adjustment Program

- **Planning grants** to maintain and improve capacity of existing multicounty economic development districts (EDDs), and to supplement capacity of other public entities (State, local) as may be needed to undertake economic analysis and strategy development.
- **Technical assistance grants** to EDDs and/or individual communities or special purpose organizations to provide expertise to undertake, industry/business surveys, new product feasibility and development studies, productivity improvement programs, market analyses, organize industry networks and cooperatives etc.
- **Revolving Loan Fund grants** to provide financing for new and expanding local businesses.
- **Infrastructure grants** to improve/provide amenities needed for business development, including small business incubators, industrial parks etc..

### FUNDING AVAILABILITY:

#### FY 1993

- Regular appropriation: \$1m. to support front end organization, planning and technical assistance needs/initiatives
- Economic stimulus supplemental: \$3-5m. for "ready-to-go" construction projects and up to \$45m. for adjustment projects (expectation that some will go to LA, Andrew and defense adjustment).

#### FY 1994

- Planning and technical assistance in the \$1-2m. range and infrastructure and business financing \$5-10m..

### EDA INVESTMENT PRIORITIES:

- Increase capacity of selected EDDs and other organizations to (1) strengthen participatory/coordinated planning process, (2) formulate business development strategies and (3) provide hands-on assistance to local businesses and would-be entrepreneurs
- Recapitalize existing RLFs contingent on strategies
- Identify opportunities for local businesses to benefit from forest and habitat restoration activities

### ISSUES:

- Overall federal commitment to revitalization?
- How to avoid subverting "community process" to need to get money out? Should use Federal investments as incentive for process and consensus building, strategies etc.
- How are states to be involved in the process? Oregon is relatively sophisticated, has invested \$60m. over last five years in a Regional Strategies Program. State lottery supports ED, anticipated revenue \$300m. this year but legislature looking to divert it to meet pressing fiscal problems.

Table 14. Total Employment Multipliers and Impacts  
Under the ISC Report Recommendations on Federal Lands

|                                  | Total<br>Jobs per<br>MMBF | Decline in<br>Fed. Sales <sup>a</sup><br>(MMBF) | Total<br>Jobs<br>Lost (Range) |
|----------------------------------|---------------------------|-------------------------------------------------|-------------------------------|
| FWS analysis                     | 15.3 - 15.7 <sup>b</sup>  | 1,700                                           | 26,350 (+ 1%)                 |
| FS/BLM analyses                  | 10.6 - 10.8               | 2,000                                           | 21,400 (+ 1%)                 |
| 1992 FS FEIS                     | 15                        | 2,000                                           | 30,000                        |
| Beuter/AFRA analysis             | 19.6 - 21.5               | 1,600                                           | 32,880 (+ 5%)                 |
| Report by Mead <i>et al.</i>     | c                         |                                                 |                               |
| Report by Greber <i>et al.</i>   | 21.1 - 26.6               | 1,800                                           | 42,930 (+ 12%)                |
| Report by Lippke <i>et al.</i>   | 9.3 - 13.1                | 1,600                                           | 17,920 (+ 17%)                |
| Olson/TWS study                  | c                         |                                                 |                               |
| Gang-of-Four report <sup>d</sup> | 10.7 - 13.6               | 1,700                                           | 21,090 (+ 29%)                |

<sup>a</sup>Projected decline from the final forest plans under the recommendations of the ISC Report, as shown in table 4; for the studies not shown in table 4, explanations are provided in footnotes to table 8.

<sup>b</sup>This is the range for the entire geographic area of spotted owl protection. The analysis presents secondary employment multipliers ranging from 8.0-17.1 jobs per MMBF for the counties within that geographic range.

<sup>c</sup>Neither the report by Mead *et al.* nor the Olson/TWS report estimates the secondary employment impacts of spotted owl protection.

<sup>d</sup>The report by the Scientific Panel on Late-Successional Forest Ecosystems presented estimated employment impacts as well as a range of management alternatives, as described earlier, under Levels of Protection. The projected decline is the midpoint of the range of projected harvest levels for the three options for implementing the ISC Report recommendations (among their 14 alternatives).

the primary processing sectors of SIC 24 are likely to be directly affected by timber supply declines to protect spotted owls, other industrial sectors will not be affected directly, and the effects on these sectors are more comparable to secondary employment effects.

In addition, the proportional relationship between timber harvests and wood products industry employment is an unproven assumption. One study examined this relationship by studying harvests and employment in 2 counties in northern California, and found that employment changes are much less than proportional to harvest changes; a 10-percent decline in harvests caused less

1988-89 Payments to Washington Counties from Federal Forest Lands  
as % of Total County Revenue and % Federal Land Ownership per County

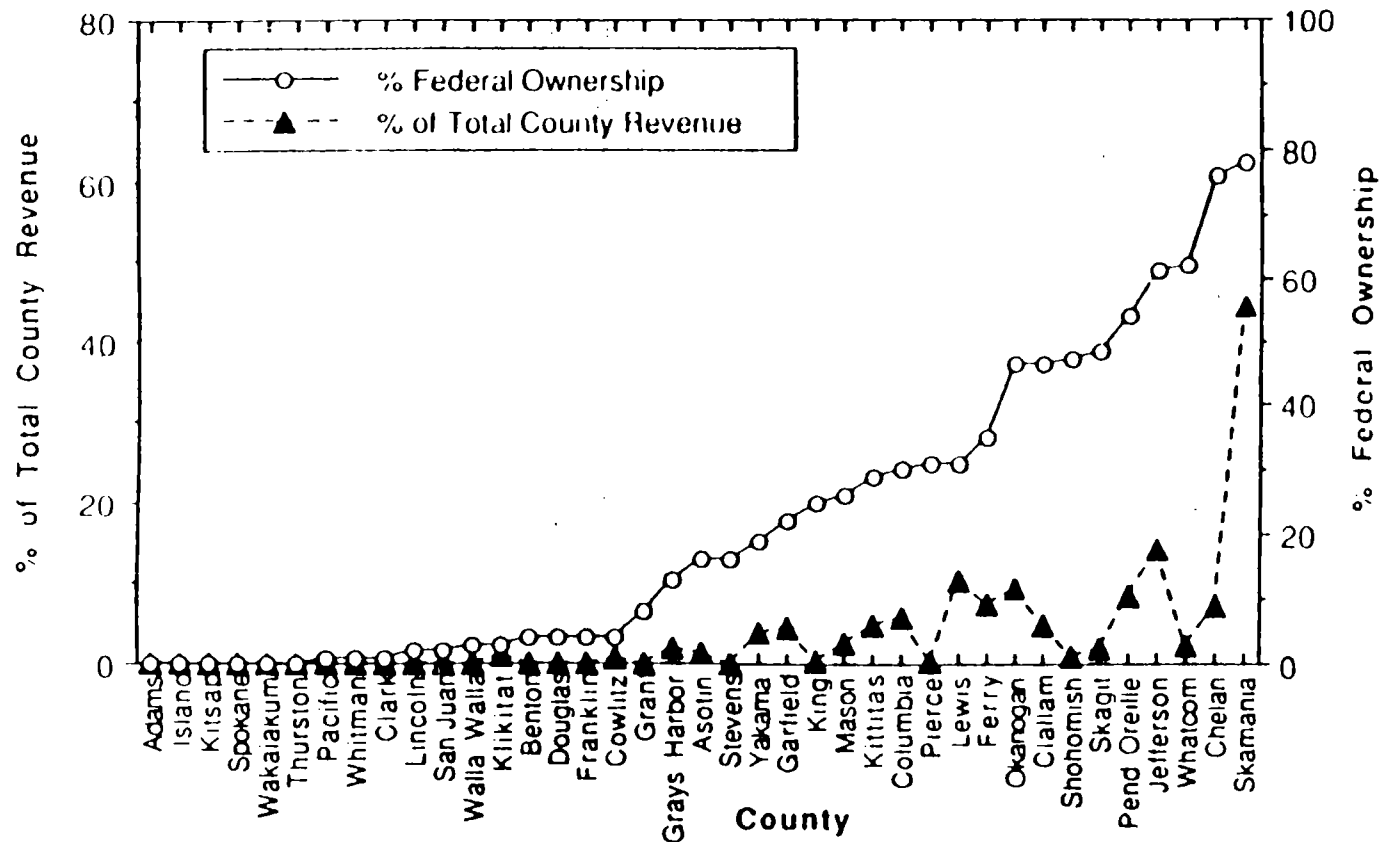


Fig. 2. Payments to Washington counties from federal forest receipts as a percent of total county revenue (left axis) and percent of federal land ownership (right axis), 1988-1989. Total does not include payments to schools, because school funding is accounted for separately. Counties are ranked according to percentage of federal ownership.

Source: Bray, Martha and Robert G. Lee, "Federal Forest Revenue Sharing With Local Governments in Washington, Oregon and California." Northwest Environmental Journal, 1991.

1988-89 Payments to Oregon Counties from Federal Forest Lands  
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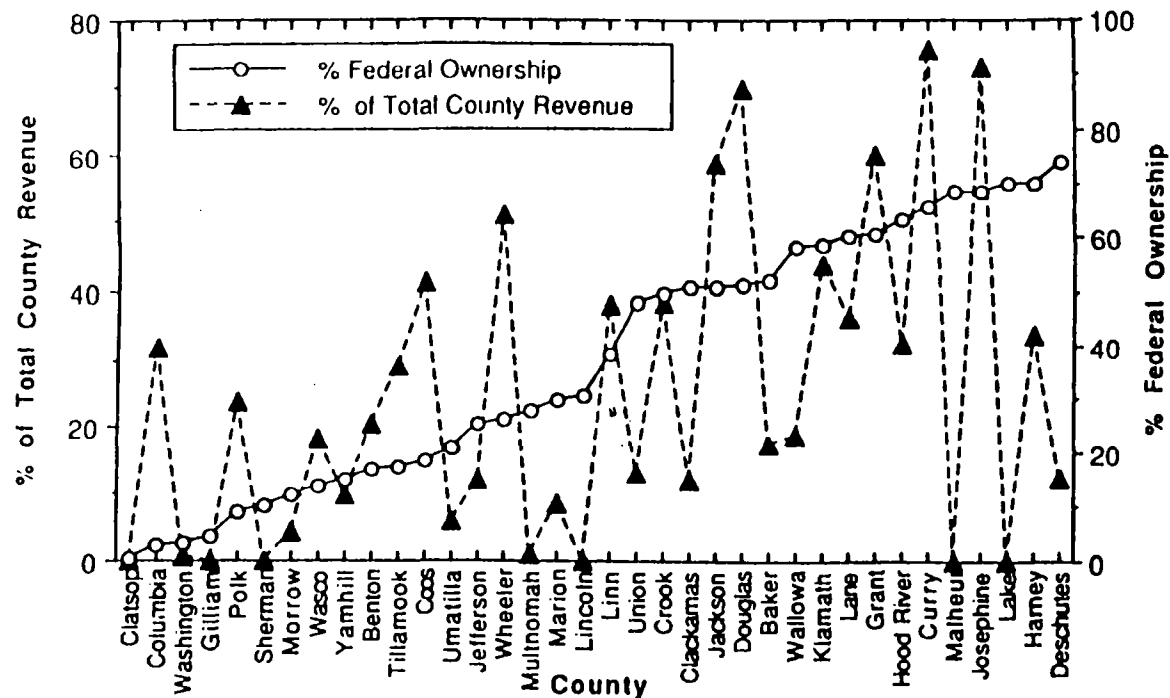


Fig. 3. Payments to Oregon counties from federal forest receipts as a percentage of total county revenue (left axis) and percent of federal land ownership (right axis), 1988-1989. Total does not include payments to schools, because school funding is accounted for separately. Counties are ranked according to percentage of federal ownership. Federal forest receipts are a more significant source of revenue in Oregon than Washington or California.

Source: Bray, Martha and Robert G. Lee, "Federal Forest Revenue Sharing With Local Governments in Washington, Oregon and California." Northwest Environmental Journal, 1991.

1988-89 Payments to No. California Counties from Federal Forest Lands  
as % of Total County Revenue and % Federal Land Ownership per County

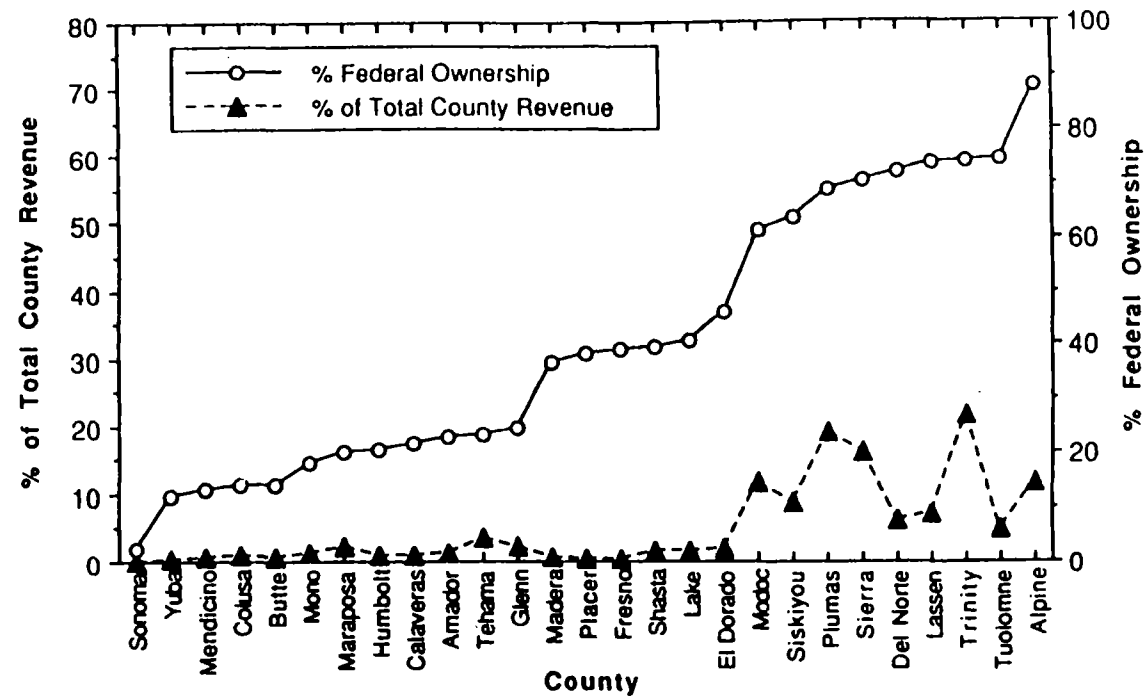


Fig. 4. Payments to California counties from federal forest receipts as a percentage of total county revenue (left axis) and percentage of federal land ownership (right axis), 1988-1989. Total does not include payments to schools, because school funding is accounted for separately. Counties are ranked according to percentage of federal ownership.

Source: Bray, Martha and Robert G. Lee, "Federal Forest Revenue Sharing With Local Governments in Washington, Oregon and California." Northwest Environmental Journal, 1991.

1988-89 Total Payments to Washington Counties from Federal Forest Receipts

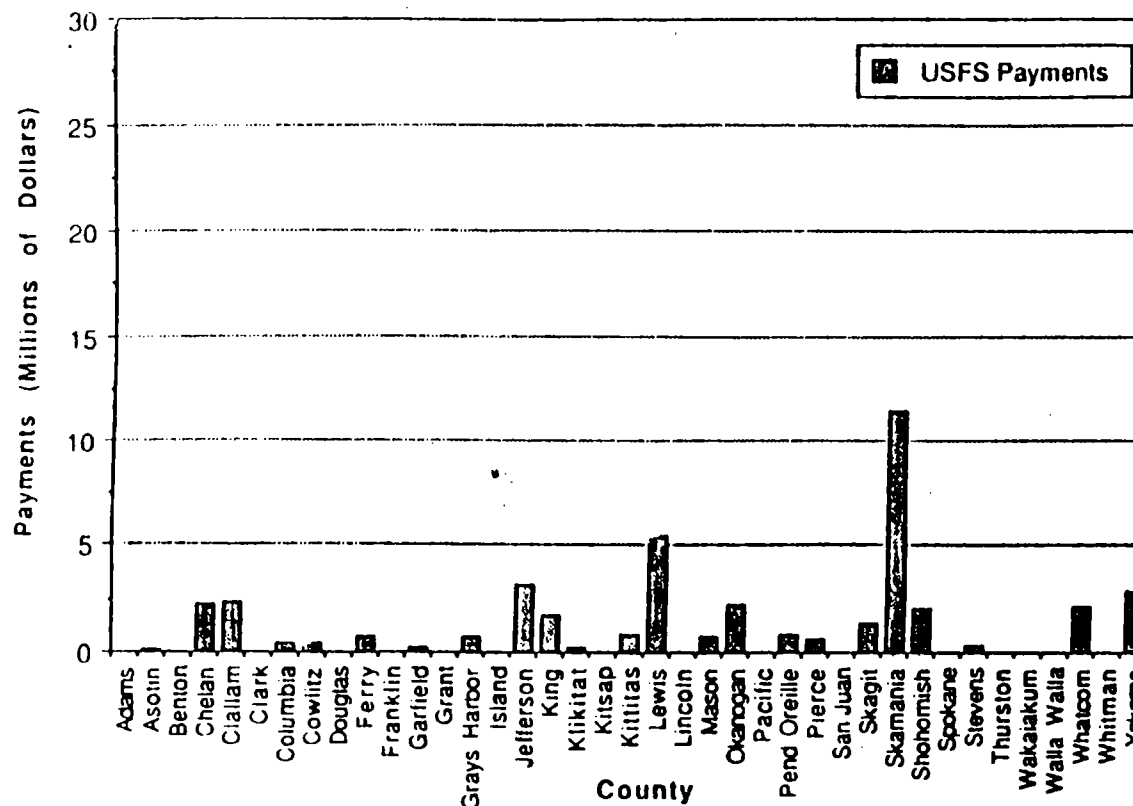


Fig. 5. Total 1988-1989 payments to Washington State counties from federal forest receipts. Fifty percent is distributed to roads and 50 percent to schools.

Source: Bray, Martha and Robert G. Lee, "Federal Forest Revenue Sharing With Local Governments in Washington, Oregon and California." Northwest Environmental Journal, 1991.

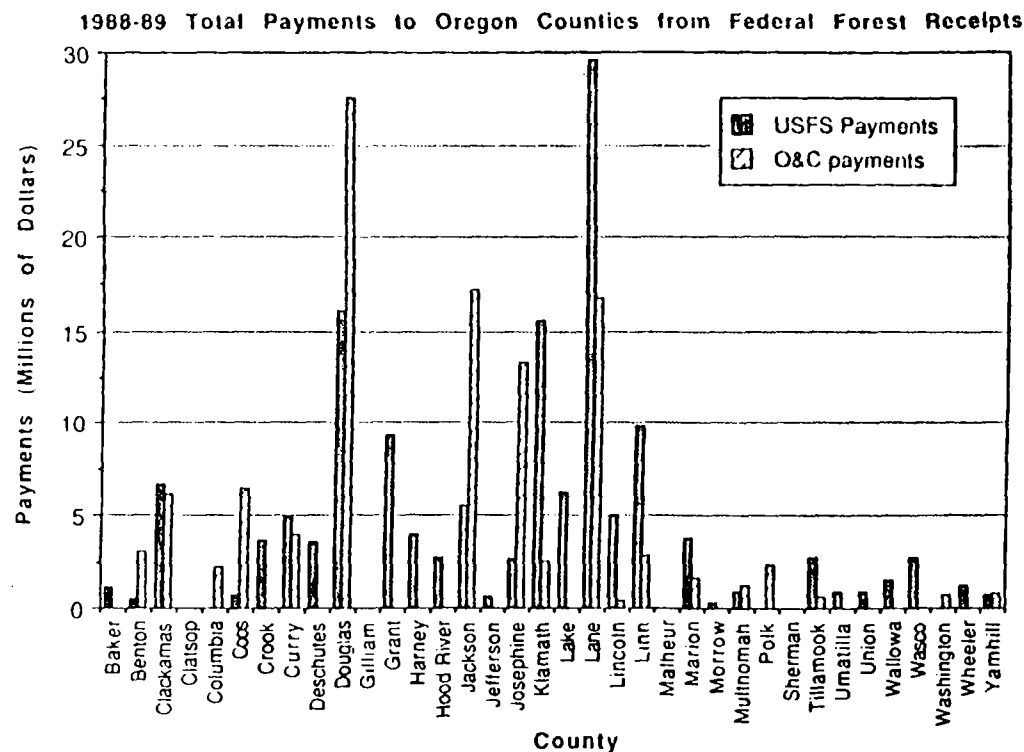


Fig. 6. Total 1988-1989 payments to Oregon State counties from federal forest receipts. Separate bar indicates Oregon and California Lands (O&C) payments. Seventy-five percent of USFS receipts are distributed to roads and 25 percent to schools. O&C receipts are distributed to the counties' general fund and can be spent on any governmental purposes (Association of O&C Counties 1990).

Source: Bray, Martha and Robert G. Lee, "Federal Forest Revenue Sharing with Local Governments in Washington, Oregon and California." Northwest Environmental Journal, 1991.

1988-89 Total Payments to No. California Counties from Federal Forest Receipts

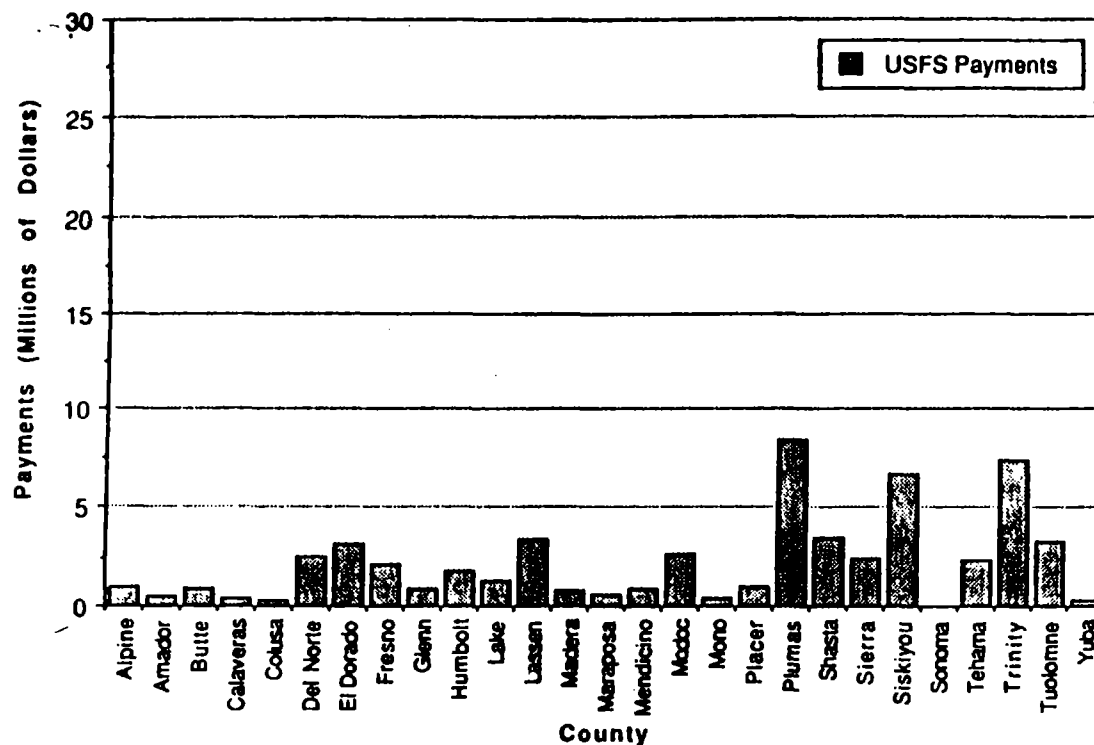


Fig. 7. Total 1988-1989 payments to Northern California counties from federal forest receipts. Fifty percent is distributed to roads and 50 percent to schools.

Source: Bray, Martha and Robert G. Lee, "Federal Forest Revenue Sharing with Local Governments in Washington, Oregon and California." Northwest Environmental Journal, 1991.

**Forest Summit: Economic Issues**  
**Wednesday, March 17 -- 3:30-5:30 PM -- 472 OEOB**  
**Tentative Agenda**

0. Introduction

I. Contours of the Problem

- A. Conditions in the Northwest
  - 1. General economic
  - 2. Industry conditions
  - 3. Human capital (education, skills, etc.)
- B. Impact of a Revised Forest Management Plan
  - 1. Economic
    - a. Markets and prices (lumber and other products)
    - b. State and local revenues
  - 2. Human capital
    - a. Magnitude of dislocation
    - b. Timing

II. Policy Goals and Objectives

- A. Relief
- B. Retraining
- C. Relocation (?)
- D. Revitalization (Diversification)

III. Existing Programs

- A. Relief (UI, other income support)
- B. Retraining (EDWAA, etc.)
  - 1. Eligibility and operation
  - 2. Nexus to new jobs
  - 3. Nexus to UI
- C. Economic development (EDA, etc.)
- D. CDBG, etc.
- E. Other federal programs (including tax programs)
- F. Other state programs

IV. Report on Committee and Individual Activities to Date

V. Lessons from the Past; Constraints from the Present

- A. Redwood and other special assistance programs
- B. Coordination with new displaced-worker and enterprise-partnership initiatives

VI. New Initiatives

VII. Next Steps and Tasks

PHOTOCOPY  
PRESERVATION

THE WHITE HOUSE

WASHINGTON

March 17, 1993

Roadmap for 3/17 Meeting

- I. STATEMENT OF THE PROBLEM
  - A. *Conditions in the Northwest*
    - 0. Forest industry generally
      - a. What share of forest industry (FI) products from Northwest?
      - b. Any other regions likely to have similar problems?
      - c. Any other regions need FI workers?
      - d. PILT and other payments? (pie chart of where the timber dollar goes)
      - e. What share of forests are federal lands (by agency)?
      - f. What role exports?
      - g. Trends toward higher productivity? (and unemployment)?
      - h. Trends toward export patterns?
      - i. Trends toward product patterns?
      - j. Retooling for other reasons?
      - k. Background severe fluctuations in demand and prices?
  - 1. State economics
    - a. What share forest industries in each state's economy?
    - b. What share each other sector?
    - c. What trends in these economies? (new growth sectors?)
    - d. What share FI in government revenues?
    - e. Current unemployment rate?
    - f. Current employed population?
  - 2. Local economics
    - a. What share forest industries in each county's economy?
    - b. What share each other sector?
    - c. What trends in these economies? (new growth sectors?)
    - d. What share FI in government revenues?
    - e. Current unemployment rate?
    - f. Current employed population?
  - 3. Human capital
    - a. Skills inventory for FI workers
    - b. Education inventory for FI workers
    - c. Current living standards for FI workers
- B. *Impact of the Forest Management Plan*
  - 0. Likely Plan
    - a. ESA v. other laws

- LEA leads  
task Group

- Labor

PHOTOCOPY  
PRESERVATION

1. Human costs

- a. How many dislocations? (Range and best estimate)
- b. Direct v. indirect?
- c. What timeframe?
- d. Which types of jobs? (What skill base?) - *labor*
- e. Shifts to private forest lands?

2. Industry costs

- a. Decline in board feet?
- b. Prices?
- c. Consequential effects (housing, etc)?
- d. Effect on exports?
- e. Mill or company closings?

3. Government costs

- a. Decline in payments to States?
- b. Decline in payments to locals?
- c. Decline in federal revenues?
- d. Decline in Knutson-Vanderberg? - *USDA*

II. GOALS AND OBJECTIVES OF A COMPLEMENTARY ECONOMIC PACKAGE

1. Relationship to National Policies

- a. Enterprise Partnerships
- b. Displaced workers
- c. Economic stimulus and investment
- d. Trade subsidies



*Copy of East 7000  
E. Goals*

2. Package Goals

- a. Interim worker relief?
- b. Creating new FI jobs?
- c. Diversification?
- d. Community development?
- e. Local government relief?
- f. Mobility (the history of FI)?
- g. Reducing exports?

3. Federalism Issues

III. EXISTING PROGRAMS

0. Overall Coordination

- a. Like DoD's base closing system?

PHOTOCOPY  
PRESERVATION

b. State or federal agencies?

1. Relief

- a. UI (how long under current law)?
- b. EDWAA related payments?
- c. Means-tested relief? (federal and state)

2. Retraining: Federally funded

- a. EDWAA?
- b. Mix of services?
- c. Eligibility?
- d. Administration?
- e. Success and evaluations?
- f. Other programs?

3. Retraining: State funded

- a. Details?
- b. Evaluations?

4. Economic Development & Diversification: Federally funded

- a. CBDGs extant?
- b. Size?
- c. Ag programs?
- d. EDA?
- e. EPA?
- f. Other Commerce?
- g. Other Interior?

5. Economic Development & Diversification: State funded

- a. Details?
- b. Evaluations?

6. Related Programs

- a. Ecotourism?
- b. Conservation education?
- c. Government purchasing?
- d. Tax incentives?

PROPOSED OUTLINE FOR BRIEFING MATERIALS  
ON ECONOMIC DIMENSIONS OF THE FOREST CONFERENCE

- I. CONDITIONS IN THE FOREST INDUSTRIES
  - A. Trends in yields, productivity, employment, etc.
  - B. Northwest's share
  - C. Federal role and link to States and locals
  
- II. CONDITIONS IN THE NORTHWEST
  - A. Overall economic picture
  - B. Trends and specific impacts (e.g., defense downsizing)
  - C. Significance of forest industry (e.g., by county)
  - D. Human capital (e.g., skills)
  
- III. LIKELY IMPACT OF A REVISED FOREST MANAGEMENT PLAN
  - A. Job loss
  - B. Local revenues
  - C. Prices (lumber and other)
  
- IV. ADMINISTRATION RESPONSE
  - A. Existing programs
  - B. Short-term stimulus (State by State amounts)
  - C. Integrated program for retraining
  - D. Integrated program for community development

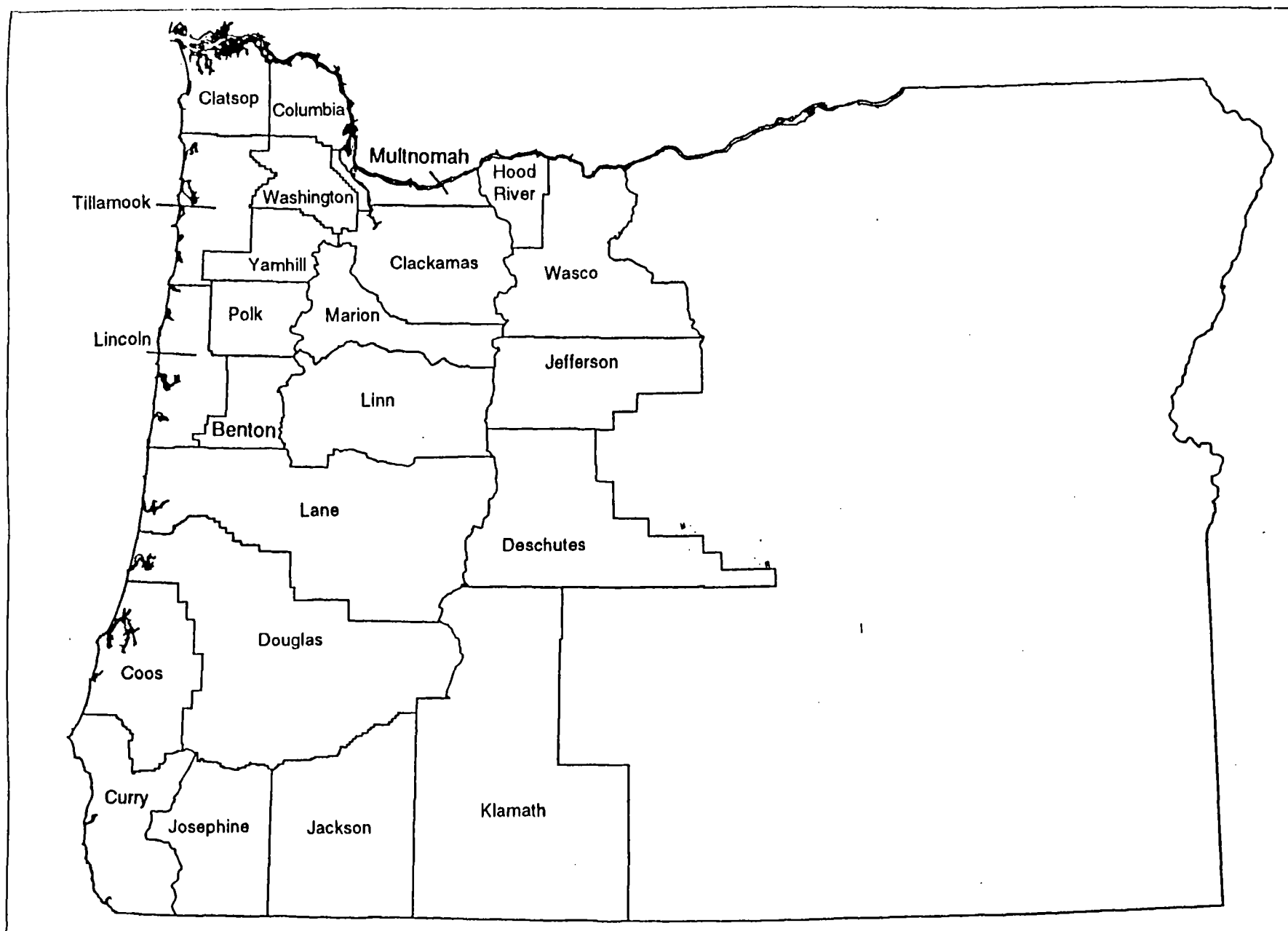
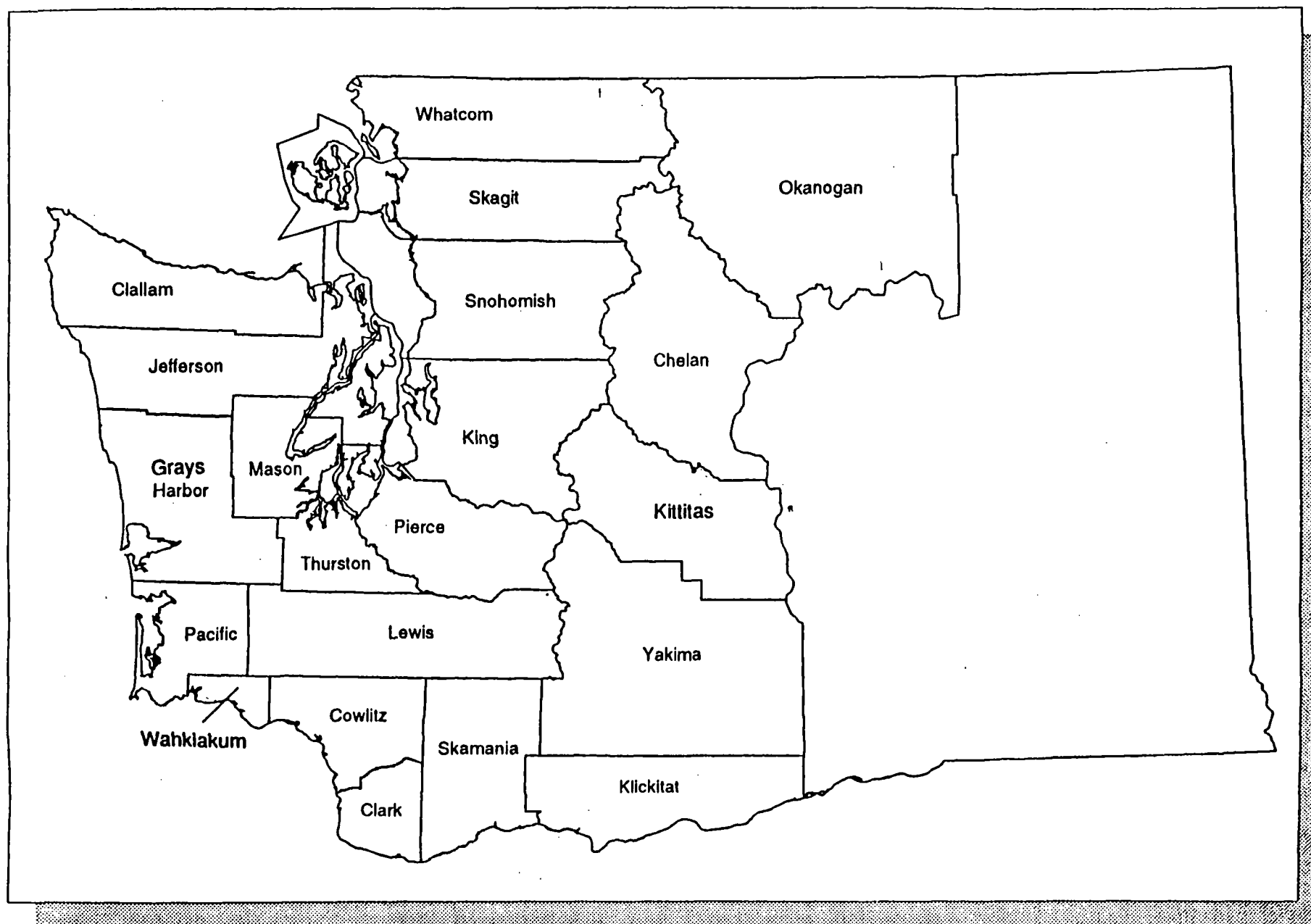
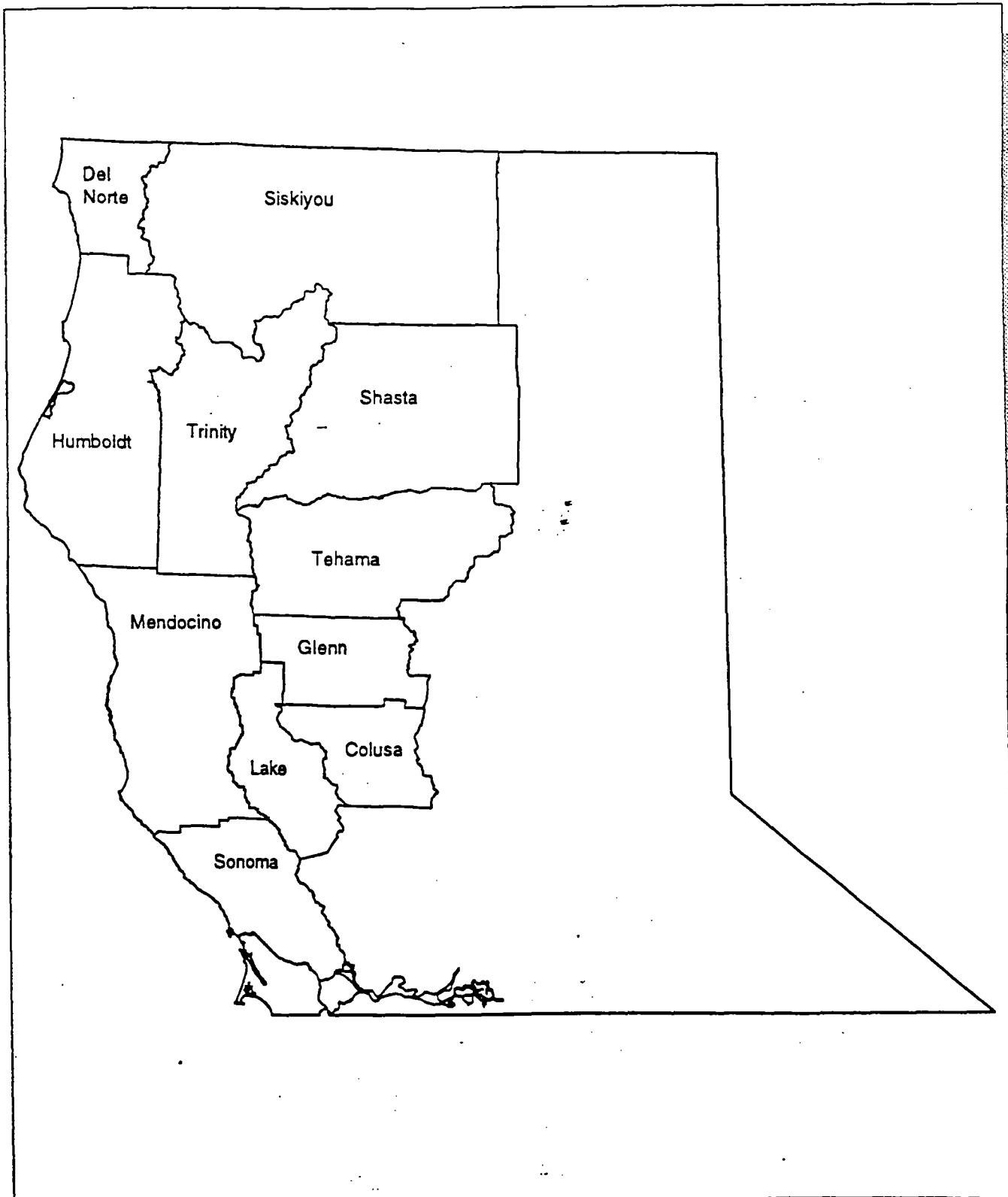


Figure 6. Oregon Counties Affected by Spotted Owl Management Plans



**Figure 7. Washington Counties Affected by Spotted Owl Management Plans**



**Figure 8. California Counties Affected by Spotted Owl Management Plans**

# DEMOGRAPHIC TRENDS IN CALIFORNIA, OREGON, AND WASHINGTON COUNTIES WITH NORTHERN SPOTTED OWL POPULATIONS/HABITAT

by  
Anne E. Huebner\*  
August 5, 1991

## INTRODUCTION

In April, 1990, the Interagency Scientific Committee issued a conservation strategy for the northern spotted owl (ISC Report, 1990). In June, 1990, the northern spotted owl was listed as a threatened species (under the Endangered Species Act of 1973, 16 U.S.C. 1531-1536, 1538-1540) by the United States Department of the Interior, Fish and Wildlife Service (USDI-FWS). In May, 1991, the USDI-FWS published in the Federal Register a proposed designation of critical habitat for the northern spotted owl in Oregon, Washington, and northern California.

Some of the primary concerns with the proposed habitat conservation areas (ISC report) and designation of critical habitat (Federal Register) are the economic impacts on the timber industry in the Pacific Northwest, including northern California. Consequently, the timber industry, and state and federal government agencies have prepared analyses of potential timber- and nontimber-related economic impacts. Specifically, the United States Department of Agriculture, Forest Service (USDA-FS) has published two reports on economic impacts of the proposed habitat conservation areas and designation of critical habitat (USDA-FS and USDA Bureau of Land Management, 1990; USDA-FS, 1991, respectively).

The economic impact analyses, to this date, have focused primarily on job and county revenue-sharing payment (refer to the Revenue Sharing Act of 1908, 16 U.S.C. 500 and 553, 31 U.S.C. 534) losses related to reductions in stumpage/log supplies. The models used to measure these potential losses are timber market and input-output models. The USDA Forest Service reports use the softwood timber assessment market model (TAMM) (Adams and Haynes, 1980) and the impact planning model (IMPLAN) (Alward and Palmer, 1983) to analyze effects of timber volume reductions on National, state, and local economies from implementing the ISC and Federal Register proposals.

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There is little doubt that any type of recovery plan for the northern spotted owl is going to result in some local, state, and even possibly, national economic and lifestyle changes. Whether these changes result in net positive or net negative *social* changes remains to be seen. The timber industry is one industry among many other sectors of the economy. The IMPLAN model is a cross sectional model; i.e., it looks at the impacts of reductions of total gross outputs (TGOs) in specified industrial sectors at *one* point in time. While input-output models represent the state-of-the-art in regional economic impact models, it is imperative to look at socioeconomic *trends over time* of the affected counties and states in analyzing potential short- or long-term effects of any owl recovery plan.

The dilemma for social scientists in making judgments on future economic impacts (positive or negative) of land allocation decisions is similar to the biologist's dilemma over the spotted owl; just as biologists throughout the world do not completely understand the functioning of ecosystems or owl biology, neither do economists completely understand the intra- and inter-relationships of international, regional, and rural economies. This paper compares selected demographic data from 1980, 1989, and 1990 for all counties containing National Forest acreages that have been recommended as designated critical habitat. The goal of examining demographic data is to find out more about the past and present economic situation of these counties, which will help identify which counties may be further impacted economically by critical habitat designation in the immediate or adjacent counties.

## DATA

The data were obtained from state employment security and research offices, and finance divisions. Data presented are for 1980 and 1989, and additionally, 1990 for unemployment rates. County and state data include:

- 1) covered employment and wages for lumber and wood products, standard industrial classification code 24 (SIC 24),
- 2) total state and county jobs and wages,
- 3) changes in lumber and wood products jobs and wages as a share of total county jobs and wages,

- 4) unemployment rates,
- 5) populations,
- 6) net migration from 1980 to 1990,
- 7) population per square mile,
- 8) percent federally-owned land in county,
- 9) percent changes in lumber and total jobs, and lumber and total wages between 1980 and 1989 (all wages in constant 1989 dollars, using consumer price index (CPI) inflator factor of 1.5 for 1980 wages).

For data discussed in 1-9 above, refer to State Summary Tables I and II, and County Tables I - V for each state.

## GENERAL OBSERVATIONS OF DATA TRENDS

There are several perspectives or philosophies which could influence an economist's recommendations on which counties are most likely to be impacted economically by a critical habitat land allocation decision. The counties were grouped based on trends in the lumber and wood products industry and overall economic well-being comparing 1980 data to 1989 data. There are four broad groups of counties in this sample. Summary Table I lists all counties under one of the four groups. The four groups are as follows.

GROUP 1. Includes counties which appear to be the least well-off overall economically and inspire the question of what assistance would be useful to these counties, regardless of the critical habitat decision. Many of these counties show decreases in lumber and wood products jobs and real wage income over the past 10 years, and the economy remains relatively undiversified; i.e. there has not been an increase in total jobs or real wage income and census data show a net *out*-migration in the past decade.

GROUP 2. Includes counties where lumber and wood products represent a continuously significant share of county jobs and wage; however, the counties maintain high unemployment rates (continuously significant is (approximately) defined as greater than or equal to 15 percent of jobs or wage income with no more than a 5 percent reduction of SIC 24 share between 1980 and 1989, refer to Table I and II for each state; high unemployment is greater than or equal to 10 percent, refer to Table III for each state).

GROUP 3. Includes counties that appear to have improved their economic well-being over the last 10 years: population is increasing, unemployment rates have decreased or are relatively low (5 percent unemployment is a normal percent of people who are voluntarily unemployed, inbetween jobs or looking for a different job by choice), and jobs and real

wages have increased. At the same time, the lumber and wood products industry has maintained or increased its share of total county jobs and wage income.

GROUP 4. Includes counties similar to those in group 3 except that lumber and wood products jobs and wages have decreased or were not a significant part of the economy in the past 10 years. In other words, these counties have diverse economies in sectors other than lumber and wood products. Job and real wage income increases are in sectors other than SIC 24 and these counties had a net increase in population in the past decade.

Of the four general categories of counties, groups II (primarily) and III may be most impacted by changes in public resource land allocations which will reduce log supply. However, for the counties with a currently "flourishing" lumber industry, an important piece of the puzzle is missing. Additional data are needed on log flows over time; i.e., geographical source and ownership source of the logs. If the log supply is a predominantly privately-owned source from the adjacent county (over time), critical habitat designation of national forest land in that county may have little or no impact on the lumber industry. Group III may be at a lower risk of economic impact as these counties appear more diversified and may be able to absorb structural changes or losses to the lumber industry.

## SPECIFIC IDENTIFICATION OF "HIGH RISK" COUNTIES

High risk counties are those counties where the lumber industry may be negatively impacted as a result of critical habitat designations in the immediate and/or adjacent county(s). The list of high-risk counties is based on the following demographic data with the understanding that site- and owner-specific log flow data would provide additional insights. Summary Table II compares state totals for all data (see Summary Table II). For each state, there are five tables with county-specific data. These tables follow the discussion.

### CALIFORNIA

Of the eight California counties analyzed, three counties fall into Group II, as described above. The three counties are Del Norte, Siskiyou, and Trinity. These counties have high unemployment rates and a large share of jobs and wage income in SIC 24, lumber and wood products. They also have large percents of federally-owned land in the county (see California: Tables I-IV). However, all three counties have been experiencing net *in*-migration in the past decade in spite of relatively high unemployment rates.

Humboldt, Mendocino and Tehama counties fit best into Group III; SIC 24 remains an important part of the economy, but at a decreasing rate of growth in Humboldt and Mendocino counties. Net increases in jobs and wages are from sectors other than SIC 24 (see California: Table V). Tehama County has made a small gain in total jobs relative to SIC 24 jobs, but still has a high unemployment rate. All three counties have increased in population; Mendocino and Tehama by 9,000 people each (see California: Table IV).

**In summary**, Del Norte, Siskiyou, and Trinity are the California counties most likely to be negatively impacted by reductions in log supplies.

## OREGON

Of the three states, Oregon has the greatest number of counties that have large shares of jobs and wages in the lumber and wood products sector (Groups 2 and 3). Some of these counties experienced reductions in sector shares from 1980 to 1989, while others have increased their shares of SIC 24 jobs and wages (see Oregon: Tables I and II).

There are a number of counties which best fit under Group II; these include Columbia, Coos, Curry, Douglas, Klamath, and Linn counties, which have large shares of jobs and income in SIC 24 for 1980 and 1989. However, unemployment rates for these counties have dropped to less than 9 percent. Coos, Douglas, Klamath, and Linn have experienced net out-migration by several thousands of people since 1980, which may explain the reduced unemployment rates. Columbia County retains a similar net population, while Curry has grown by 2,000 people.

Some counties with increased jobs and wages in SIC 24 are also counties which appear to be the most diversified and are part of metropolitan statistical areas (MSAs) (see Group III description above). These counties are Benton (Corvallis MSA), Jackson (Medford), Marion (Salem), and Washington (Portland). SIC 24 has grown relative to other industries in Benton; SIC 24 has grown at a constant rate along with other industries in Jackson, Marion, and Washington counties (see Oregon: Table V). SIC 24 has also fared well in Deschutes and Jefferson counties (possibly due to large volumes of beetle kill on national forest land in this area), and in Lake County, which has the Lakeview Federal Sustained Yield unit on the Fremont National Forest. Lane County best fits in Group III also; however, increases in jobs and wages from 1980 to 1989 have been in sectors other than SIC 24.

**In summary for Oregon**, the counties most likely to experience negative impacts from further reductions in log supplies are Coos, Douglas, Klamath, Lake, and Linn.

## WASHINGTON

Relative to northern California and Oregon, Washington State appears to be less dependent on SIC 24, both in 1980 and 1989. Many Washington counties have lower unemployment rates and at the same time, have increased in population by several thousands of people during the past decade. More than one-half of the Washington counties with proposed critical habitat are in group IV; they show net growth in jobs, wages, and populations, and SIC 24 represents a small part of the county economies (see Summary Table I).

However, there are three counties that fit under a general description of Group I. These counties are Cowlitz, Kittitas, and Yakima. Cowlitz County has high, but decreasing, shares of jobs or wages in SIC 24. Yakima County's unemployment rate doubled in the past 10

years. All three counties saw little increase or else decreases in populations from 1980 to 1989.

In Washington, there are several counties that fall under Group II with a high share of jobs and wage income in SIC 24 and relatively high unemployment rates (refer to Washington: Tables I and II). These include Grays Harbor, Klickitat, Lewis, Mason, and Skamania that may be further impacted by reductions of log supplies from federal lands. Grays Harbor has a Federal sustained yield unit on the Olympic National Forest. Lewis and Mason counties are both gaining in shares of jobs and wage income in sectors other than SIC 24; however, all counties except Klickitat are losing SIC 24 jobs faster than other sectors have replaced them during the past 10 years (refer to Washington: Table V). The unemployment rates are still relatively high for these counties, except Mason, but all have less unemployment in 1989 and 1990 compared to 1980.

Okanogan County fits best under Group III; it is dependent on SIC 24, but is making net gains in jobs and wage income other than lumber and wood products. The unemployment rate remains high, which is more characteristic of group II counties.

**In summary, the Washington counties** most likely to be impacted by log supply reductions are Grays Harbor, Lewis, Mason, and Skamania.

## DISCUSSION AND CONCLUSIONS

The state summary and state/county tables show some dramatic changes are taking place in the lumber and wood products industry and overall county economies. Generally speaking, counties with relatively diversified economies have less unemployment and are growing in population, regardless of the importance of SIC 24. The lumber and wood products industry is an important manufacturing sector; however, most counties appear to be better off when they are not predominantly dependent on an extractive resource, such as harvesting of timber.

Counties where SIC 24 has maintained or decreased its share of jobs and wage income, but where population is growing and unemployment rates are dropping illustrate economies that have diversified or changed their basic social structure in one form or another. In counties where SIC 24 has maintained its share, structural changes in timber industry in these counties may be occurring; e.g., the sector may be producing new wood products, or further utilizing or processing wood products *locally*.

Counties such as Grays Harbor, Washington, and Lake, Oregon with Federal sustained yield units, or Douglas, Oregon, which has traditionally been very dependent on SIC 24, will be immediately impacted by restrictions on existing old growth log supplies based on virtually any owl recovery plan. Habitat designated in second growth forest stands will not affect jobs now, but will affect the timber industry in the future.

Many changes have taken place in the timber industry since the early 1970's. The newly revised Pacific Northwest national forest plans already show 15-40 percent reductions in allowable sale quantity (ASQ) based on sustained yield considerations and stricter standards and guidelines designed to promote an increased level of quality for all resources. In addition to a loss of SIC 24 jobs, the government reports (USDA and USDI, 1990, USDA, 1991) show a loss in revenue sharing payments as the volume of timber sales decreases from public forest lands. This pattern may not hold true for other regions of the country. Historically, these monies have been used to help finance county roads and public schools; many states and counties have designed their tax structures around expected Federal payments. However, the Forest Service and Congress have looked at various revenue sharing amendments in past years; there are options for revenue sharing that are not based solely on the sale of commodities or user fees (Huebner, 1991, Huebner et al., 1985).

Looking at jobs, wages, and revenue sharing payments connected to a particular log volume does not give a complete picture of a county's socioeconomic structure. A changing economy implies that there are some individual winners and losers, especially in the short-run. One role of state and federal government agencies is to take on what can and should be done for the short-term losers. It is important to look at the overall county or regional economy to decide whether the change represents a net positive or negative social change for the county or state or nation.

For example, Oregon has been and still is very dependent on old growth logging with minimal processing. However, there are opportunities for further processing and utilization, new technology, and more intensive management of some second growth forests. Many Oregonians live in the state primarily because of its unique natural resources (Niemi and Whitelaw, 1989). Additionally, Oregon (and northern California and Washington as well) can improve its marketing of these resources to increase tourism and spending by retirees, who are already migrating into the state.

## SUMMARY

The data demonstrate the critical need to consider all Pacific Northwest human and natural resources when evaluating both the short-term and long-term net social impacts of designating critical habitat in a particular area. If a broader assessment shows a net positive social impact, the next step is to immediately implement the recovery plan and act to minimize losses to the short-term losers.

**SUMMARY TABLE I - CLASSIFICATION OF CALIFORNIA, OREGON, AND WASHINGTON COUNTIES  
UNDER GROUP I, II, III, OR IV\***

| GROUP I                                     | GROUP II                                                | GROUP III                                                                                         | GROUP IV                                                                                               |
|---------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| CALIFORNIA<br>Glenn                         | Del Norte<br>Siskiyou<br>Trinity                        | Humboldt<br>Mendocino<br>Tehama                                                                   | Shasta                                                                                                 |
| OREGON<br>Tillamook<br>Wasco                | Columbia<br>Coos<br>Curry<br>Douglas<br>Klamath<br>Linn | Benton<br>Deschutes<br>Hood River<br>Jackson<br>Jefferson<br>Lake<br>Lane<br>Marion<br>Washington | Clackamas<br>Josephine<br>Lincoln<br>Multnomah<br>Polk<br>Yamhill                                      |
| WASHINGTON<br>Cowlitz<br>Kittitas<br>Yakima | Grays Harbor<br>Klickitat<br>Lewis<br>Mason<br>Skamania | Okanogan                                                                                          | Chelan<br>Clallam<br>Clark<br>Douglas<br>Jefferson<br>King<br>Pierce<br>Skagit<br>Snohomish<br>Whatcom |

\*Group I = Least well-off economically, small or decreased share of total jobs and wage income in lumber and wood products industry, most have a lower population in 1990 compared to 1980 census data. May warrant some State and/or Federal assistance regardless of critical habitat decisions.

Group II = Consistently high shares of total jobs and wages in lumber and wood products in past decade, although may be currently decreasing. High unemployment characteristic of these counties although some are still growing in net populations while others have experienced a net out-migration.

Group III = High share of total jobs and wages in lumber and wood products, but have diversified economies. Unemployment is low, real wages increasing, especially in sectors other than SIC 24, and population increasing in past decade.

Group IV = Counties with diversified economies, SIC 24 not significant share of jobs or wages; net increases in jobs and wages, and net in-migration.

**SUMMARY TABLE II - CALIFORNIA, OREGON, AND WASHINGTON STATE TOTALS FOR ALL DEMOGRAPHIC DATA, FOR YEARS 1980, 1989, AND CHANGE FROM 1980 TO 1989 (LUMBER = SIC 24)**

[illegible]

CALIFORNIA: TABLE I - COVERED EMPLOYMENT BY COUNTY; 1980 AND 1989

| COUNTY                            | 1980 LUMBER<br>JOB NUMBERS | 1980 TOTAL<br>JOB NUMBERS | LUMBER %<br>OF TOTAL | 1989 LUMBER<br>JOB NUMBERS | 1989 TOTAL<br>JOB NUMBERS | LUMBER %<br>OF TOTAL | CHANGE<br>'80 TO '89 |
|-----------------------------------|----------------------------|---------------------------|----------------------|----------------------------|---------------------------|----------------------|----------------------|
| Del Norte                         | 1497                       | 5784                      | 25.9                 | 478                        | 4997                      | 9.6                  | -16.3                |
| Glenn                             | 121                        | 8162                      | 1.5                  | 38                         | 7395                      | 0.5                  | -1.0                 |
| Humboldt                          | 4925                       | 37858                     | 13.0                 | 4037                       | 41418                     | 9.7                  | -3.3                 |
| Mendocino                         | 3241                       | 23371                     | 13.9                 | 3117                       | 25657                     | 12.1                 | -1.8                 |
| Shasta                            | 2189                       | 36986                     | 5.9                  | 2216                       | 47753                     | 4.6                  | -1.5                 |
| Siskiyou                          | 1680                       | 12490                     | 13.5                 | 1599                       | 12193                     | 13.1                 | -0.4                 |
| Tehama                            | 1639                       | 10487                     | 15.6                 | 1758                       | 11409                     | 15.4                 | -0.2                 |
| Trinity                           | 401                        | 2806                      | 14.3                 | 418                        | 2586                      | 16.2                 | +1.9                 |
| CALIFOR-<br>NIA<br>STATE<br>TOTAL | 62570                      | 20532344                  | 0.3                  | 69773                      | 25335917                  | 0.3                  | 0.0                  |

CALIFORNIA: TABLE II - COVERED WAGES BY COUNTY; 1980 AND 1989 (thousands of nominal dollars)

| COUNTY                            | 1980 LUMBER<br>WAGE<br>DOLLARS | 1980 TOTAL<br>WAGE<br>DOLLARS | LUMBER %<br>OF TOTAL | 1989 LUMBER<br>WAGE<br>DOLLARS | 1989 TOTAL<br>WAGE<br>DOLLARS | LUMBER %<br>OF TOTAL | CHANGE<br>'80 TO '89 |
|-----------------------------------|--------------------------------|-------------------------------|----------------------|--------------------------------|-------------------------------|----------------------|----------------------|
| Del Norte                         | 31,926                         | 78,937                        | 40.4                 | 15,546                         | 98,994                        | 15.7                 | -24.7                |
| Glenn                             | 2,079                          | 91,353                        | 2.3                  | 705                            | 126,232                       | 0.6                  | -1.7                 |
| Humboldt                          | 100,697                        | 514,358                       | 19.6                 | 121,037                        | 823,769                       | 14.7                 | -4.9                 |
| Mendocino                         | 62,583                         | 283,179                       | 22.1                 | 87,176                         | 488,464                       | 17.8                 | -4.3                 |
| Shasta                            | 43,761                         | 516,057                       | 8.5                  | 68,155                         | 979,142                       | 7.0                  | -1.5                 |
| Siskiyou                          | 33,795                         | 153,849                       | 22.0                 | 38,527                         | 205,913                       | 18.7                 | -3.3                 |
| Tehama                            | 29,152                         | 130,945                       | 22.3                 | 43,581                         | 214,186                       | 20.3                 | -2.0                 |
| Trinity                           | 8,378                          | 35,621                        | 23.5                 | 12,213                         | 49,987                        | 24.4                 | +0.9                 |
| CALIFOR-<br>NIA<br>STATE<br>TOTAL | 1,019,334                      | 316,972,734                   | 0.3                  | 1,628,303                      | 630,700,835                   | 0.3                  | 0.0                  |

CALIFORNIA: TABLE III - UNEMPLOYMENT DATA BY COUNTY; 1980, 1989, AND 1990 (percent)

| COUNTY                      | 1980<br>UNEMPLOYMENT % | 1989<br>UNEMPLOYMENT % | 1990<br>UNEMPLOYMENT % |
|-----------------------------|------------------------|------------------------|------------------------|
| Del Norte                   | 12.7                   | 12.9                   | 12.6                   |
| Glenn                       | 8.2                    | 12.4                   | 12.5                   |
| Humboldt                    | 12.2                   | 7.8                    | 7.7                    |
| Mendocino                   | 10.4                   | 7.8                    | 8.1                    |
| Shasta (Redding MSA)        | 12.9                   | 9.0                    | 8.6                    |
| Siskiyou                    | 15.1                   | 10.6                   | 11.6                   |
| Tehama                      | 11.9                   | 9.5                    | 10.7                   |
| Trinity                     | 14.7                   | 12.4                   | 12.2                   |
| CALIFORNIA<br>STATE AVERAGE | 6.8                    | 5.1                    | 5.6                    |

CALIFORNIA: TABLE IV - POPULATION, NET MIGRATION, POPULATION PER SQUARE MILE, AND PERCENT FEDERAL LAND OWNERSHIP BY COUNTY, 1980 AND 1989

| COUNTY                    | 1980<br>POPULATION | 1990<br>POPULATION | '80 TO '90<br>NET MIGRATION | 1990<br>POPULATION/<br>SQUARE MILE | % FEDERALLY-<br>OWNED LAND<br>IN COUNTY * |
|---------------------------|--------------------|--------------------|-----------------------------|------------------------------------|-------------------------------------------|
| Del Norte                 | 18300              | 24500              | +4827                       | 24                                 | 72                                        |
| Glenn                     | 21500              | 25000              | +1883                       | 19                                 | 24                                        |
| Humboldt                  | 108900             | 119800             | +2917                       | 33                                 | 20                                        |
| Mendocino                 | 67000              | 81000              | +9015                       | 23                                 | 14                                        |
| Shasta                    | 116600             | 148800             | +23902                      | 39                                 | 40                                        |
| Siskiyou                  | 40000              | 43800              | +1767                       | 7                                  | 62                                        |
| Tehama                    | 39100              | 50100              | +9084                       | 17                                 | 23                                        |
| Trinity                   | 12000              | 13100              | +554                        | 4                                  | 74                                        |
| CALIFORNIA<br>STATE TOTAL | 23782000           | 29967000           | +3392247                    | 192                                | 42                                        |

\* Federally-owned natural resource land includes all "Entitlement Acres" as defined by the Bureau of Land Management for calculating Payment-in-Lieu-of-Taxes (PILT) payment to counties. Entitlement acres includes all BLM, Forest Service, Bureau of Reclamation, National Park Service, Corps of Engineers, Fish and Wildlife Service, and some Army lands.

TABLE V - PERCENT CHANGES IN LUMBER AND TOTAL JOBS, AND LUMBER AND TOTAL WAGES FROM 1980 TO 1989 BY COUNTY IN CALIFORNIA, OREGON, AND WASHINGTON (lumber = SIC 24)

| STATE<br>County | % CHANGE IN<br>SIC 24 JOBS<br>'80 to '89 | % CHANGE IN<br>TOTAL JOBS<br>'80 to '89 | % CHANGE IN<br>SIC 24 WAGES<br>'80 TO '89,<br>constant '89 \$ | % CHANGE IN<br>TOTAL WAGES<br>'80 TO '90,<br>constant '89 \$ |
|-----------------|------------------------------------------|-----------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|
| CALIFORNIA      | +12                                      | +23                                     | +6                                                            | +33                                                          |
| Del Norte       | -68                                      | -14                                     | -68                                                           | -16                                                          |
| Glenn           | -69                                      | -9                                      | -77                                                           | -8                                                           |
| Humboldt        | -18                                      | +9                                      | -20                                                           | +7                                                           |
| Mendocino       | -4                                       | +10                                     | -7                                                            | +15                                                          |
| Shasta          | +1                                       | +29                                     | +4                                                            | +26                                                          |
| Siskiyou        | -5                                       | -2                                      | -24                                                           | -11                                                          |
| Tehama          | +7                                       | +9                                      | 0                                                             | +9                                                           |
| Trinity         | +4                                       | -8                                      | -3                                                            | -6                                                           |
| OREGON          | -3                                       | +17                                     | -17                                                           | +11                                                          |
| Benton          | +127                                     | +16                                     | +100                                                          | +21                                                          |
| Clackamas       | -14                                      | +40                                     | -30                                                           | +27                                                          |
| Columbia        | -2                                       | +15                                     | -26                                                           | +9                                                           |
| Coos            | -36                                      | -5                                      | -46                                                           | -15                                                          |
| Curry           | -4                                       | +16                                     | -26                                                           | -33                                                          |
| Deschutes       | +47                                      | +41                                     | +15                                                           | +30                                                          |
| Douglas         | +8                                       | +9                                      | -12                                                           | -7                                                           |
| Hood River      | +7                                       | +18                                     | -4                                                            | +2                                                           |
| Jackson         | +18                                      | +22                                     | 0                                                             | +12                                                          |
| Jefferson       | +79                                      | +36                                     | +62                                                           | +28                                                          |
| Josephine       | -3                                       | +20                                     | -16                                                           | +9                                                           |
| Klamath         | -14                                      | +6                                      | -21                                                           | -4                                                           |
| Lake            | +30                                      | +5                                      | 0                                                             | -2                                                           |
| Lane            | -11                                      | +14                                     | -24                                                           | +5                                                           |
| Lincoln         | -39                                      | +14                                     | -54                                                           | +3                                                           |
| Linn            | -18                                      | +9                                      | -54                                                           | +3                                                           |
| Marion          | +47                                      | +29                                     | +45                                                           | +16                                                          |
| Multnomah       | -28                                      | +10                                     | -29                                                           | +8                                                           |
| Polk            | -37                                      | +5                                      | -49                                                           | -7                                                           |
| Tillamook       | -62                                      | 0                                       | -69                                                           | -12                                                          |
| Wasco           | -9                                       | -1                                      | -26                                                           | -6                                                           |
| Washington      | +29                                      | +35                                     | +20                                                           | +39                                                          |
| Yamhill         | -6                                       | 25                                      | -12                                                           | +11                                                          |

TABLE V - PERCENT CHANGES IN LUMBER AND TOTAL JOBS, AND LUMBER AND TOTAL WAGES  
FROM 1980 TO 1989 BY COUNTY IN CALIFORNIA, OREGON, AND WASHINGTON (lumber = SIC 24)  
(continued)

| STATE<br>County | % CHANGE IN<br>SIC 24 JOBS<br>'80 to '89 | % CHANGE IN<br>TOTAL JOBS<br>'80 to '89 | % CHANGE IN<br>SIC 24 WAGES<br>'80 TO '89,<br>constant '89 \$ | % CHANGE IN<br>TOTAL WAGES<br>'80 TO '90,<br>constant '89 \$ |
|-----------------|------------------------------------------|-----------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|
| WASHINGTON      | -15                                      | +26                                     | -28                                                           | +16                                                          |
| Chelan          | -34                                      | +20                                     | -43                                                           | + 7                                                          |
| Clallam         | -33                                      | +12                                     | -47                                                           | + 6                                                          |
| Clark           | + 5                                      | +43                                     | -16                                                           | +30                                                          |
| Cowlitz         | -36                                      | + 7                                     | -52                                                           | -11                                                          |
| Douglas         | -88                                      | +60                                     | -93                                                           | +23                                                          |
| Grays Harbor    | -35                                      | +12                                     | -40                                                           | -32                                                          |
| Jefferson       | -51                                      | +28                                     | -69                                                           | + 2                                                          |
| King            | + 4                                      | +30                                     | - 6                                                           | +27                                                          |
| Kittitas        | - 6                                      | + 8                                     | -27                                                           | - 5                                                          |
| Klickitat       | +10                                      | +10                                     | -17                                                           | -15                                                          |
| Lewis           | -22                                      | +12                                     | -34                                                           | - 4                                                          |
| Mason           | -21                                      | +18                                     | -22                                                           | + 1                                                          |
| Okanogan        | +15                                      | +19                                     | -10                                                           | + 4                                                          |
| Pierce          | -10                                      | +30                                     | -25                                                           | +14                                                          |
| Skagit          | - 8                                      | +29                                     | -28                                                           | +16                                                          |
| Skamania        | -21                                      | -46                                     | -43                                                           | -70                                                          |
| Snohomish       | - 4                                      | +48                                     | -27                                                           | +38                                                          |
| Whatcom         | +61                                      | +35                                     | +21                                                           | +14                                                          |
| Yakima          | +10                                      | +22                                     | -19                                                           | + 4                                                          |

OREGON: TABLE I - COVERED EMPLOYMENT BY COUNTY; 1980 AND 1989

| COUNTY                   | 1980 LUMBER<br>JOB NUMBERS | 1980 TOTAL<br>JOB NUMBERS | LUMBER %<br>OF TOTAL | 1989 LUMBER<br>JOB NUMBERS | 1989 TOTAL<br>JOB NUMBERS | LUMBER %<br>OF TOTAL | CHANGE<br>'80 TO '89 |
|--------------------------|----------------------------|---------------------------|----------------------|----------------------------|---------------------------|----------------------|----------------------|
| Benton                   | 1753                       | 23204                     | 7.6                  | 3988                       | 26963                     | 14.8                 | +7.2                 |
| Clackamas                | 2576                       | 62111                     | 4.1                  | 2223                       | 86915                     | 2.6                  | -1.5                 |
| Columbia                 | 1252                       | 7917                      | 15.8                 | 1232                       | 9081                      | 13.6                 | -2.2                 |
| Coos                     | 3967                       | 20332                     | 19.5                 | 2545                       | 19268                     | 13.2                 | -6.3                 |
| Curry                    | 966                        | 4685                      | 20.6                 | 929                        | 5446                      | 17.1                 | -3.5                 |
| Deschutes                | 2335                       | 20759                     | 11.2                 | 3428                       | 29336                     | 11.7                 | +0.5                 |
| Douglas                  | 7647                       | 30495                     | 25.1                 | 8228                       | 33229                     | 24.8                 | -0.3                 |
| Hood Rivr                | 495                        | 6529                      | 7.6                  | 532                        | 7702                      | 6.9                  | -0.7                 |
| Jackson                  | 4886                       | 42624                     | 11.5                 | 5743                       | 52057                     | 11.0                 | -0.5                 |
| Jefferson                | 558                        | 3668                      | 15.2                 | 1001                       | 4972                      | 20.1                 | +4.9                 |
| Josephine                | 2253                       | 15114                     | 14.9                 | 2187                       | 18177                     | 12.0                 | -2.9                 |
| Klamath                  | 4332                       | 19015                     | 22.8                 | 3743                       | 20138                     | 18.6                 | -4.2                 |
| Lake                     | 416                        | 2443                      | 17.0                 | 528                        | 2559                      | 20.6                 | +3.6                 |
| Lane                     | 12776                      | 97598                     | 13.1                 | 11319                      | 111141                    | 10.2                 | -2.9                 |
| Lincoln                  | 818                        | 11827                     | 6.9                  | 499                        | 13541                     | 3.7                  | -3.2                 |
| Linn                     | 5216                       | 29772                     | 17.5                 | 4280                       | 32573                     | 13.1                 | -4.4                 |
| Marion                   | 2111                       | 78400                     | 2.7                  | 3104                       | 97369                     | 3.2                  | +0.5                 |
| Multnomah                | 3324                       | 334765                    | 0.1                  | 2406                       | 369019                    | 0.1                  | 0.0                  |
| Polk                     | 1399                       | 9712                      | 14.4                 | 884                        | 10194                     | 8.7                  | -5.7                 |
| Tillamook                | 1089                       | 5803                      | 18.8                 | 423                        | 5812                      | 7.3                  | -11.5                |
| Wasco                    | 360                        | 7864                      | 4.6                  | 327                        | 7801                      | 4.2                  | -0.4                 |
| Washingtn                | 1469                       | 94296                     | 1.6                  | 1888                       | 127579                    | 1.5                  | -0.1                 |
| Yamhill                  | 1717                       | 16230                     | 10.6                 | 1621                       | 20211                     | 8.0                  | -2.6                 |
| OREGON<br>STATE<br>TOTAL | 69569                      | 1016027                   | 6.8                  | 67532                      | 1192967                   | 5.7                  | -1.1                 |

OREGON: TABLE II - COVERED WAGES BY COUNTY; 1980 AND 1989 (thousands of nominal dollars)

| COUNTY                   | 1980 LUMBER<br>WAGE<br>DOLLARS | 1980 TOTAL<br>WAGE<br>DOLLARS | LUMBER %<br>OF TOTAL | 1989 LUMBER<br>WAGE<br>DOLLARS | 1989 TOTAL<br>WAGE<br>DOLLARS | LUMBER %<br>OF TOTAL | CHANGE<br>'80 TO '89 |
|--------------------------|--------------------------------|-------------------------------|----------------------|--------------------------------|-------------------------------|----------------------|----------------------|
| Benton                   | 32,313                         | 310,816                       | 10.4                 | 97,027                         | 562,768                       | 17.2                 | +6.8                 |
| Clackamas                | 52,145                         | 908,574                       | 5.7                  | 54,794                         | 1,731,376                     | 3.2                  | -2.5                 |
| Columbia                 | 26,142                         | 124,800                       | 20.9                 | 29,207                         | 204,026                       | 14.3                 | -6.6                 |
| Coos                     | 74,107                         | 282,081                       | 26.3                 | 61,131                         | 359,737                       | 17.0                 | -9.3                 |
| Curry                    | 20,543                         | 85,040                        | 35.4                 | 22,942                         | 85,895                        | 26.7                 | -8.7                 |
| Deschutes                | 41,073                         | 265,590                       | 15.5                 | 71,007                         | 516,282                       | 13.8                 | -1.7                 |
| Douglas                  | 159,713                        | 450,223                       | 35.5                 | 210,092                        | 629,603                       | 33.4                 | -2.1                 |
| Hood Rivr                | 9,621                          | 77,792                        | 12.4                 | 13,844                         | 119,285                       | 11.6                 | -0.8                 |
| Jackson                  | 95,140                         | 566,539                       | 16.8                 | 142,916                        | 948,744                       | 15.1                 | -1.7                 |
| Jefferson                | 10,454                         | 45,233                        | 23.1                 | 25,360                         | 86,979                        | 29.2                 | +6.1                 |
| Josephine                | 40,039                         | 181,428                       | 22.1                 | 50,589                         | 297,883                       | 17.0                 | -5.1                 |
| Klamath                  | 82,050                         | 249,203                       | 32.9                 | 96,789                         | 358,513                       | 27.0                 | -5.9                 |
| Lake                     | 7,569                          | 30,420                        | 24.9                 | 11,395                         | 44,567                        | 25.6                 | +0.7                 |
| Lane                     | 254,811                        | 1,335,708                     | 19.1                 | 290,315                        | 2,099,783                     | 13.8                 | -5.3                 |
| Lincoln                  | 15,132                         | 141,303                       | 10.7                 | 10,518                         | 219,357                       | 4.8                  | -5.9                 |
| Linn                     | 99,884                         | 451,282                       | 22.1                 | 104,494                        | 652,872                       | 16.0                 | -6.1                 |
| Marion                   | 34,912                         | 1,018,272                     | 3.4                  | 75,790                         | 1,770,663                     | 4.3                  | +0.9                 |
| Multnomah                | 71,165                         | 5,231,921                     | 1.4                  | 75,944                         | 8,442,535                     | 1.0                  | -0.4                 |
| Polk                     | 27,665                         | 125,579                       | 22.0                 | 21,237                         | 175,480                       | 12.1                 | -9.9                 |
| Tillamook                | 19,306                         | 69,835                        | 27.6                 | 9,031                          | 92,081                        | 9.9                  | -17.7                |
| Wasco                    | 7,200                          | 100,366                       | 7.2                  | 7,955                          | 140,796                       | 5.7                  | -1.5                 |
| Washingtn                | 24,657                         | 1,370,357                     | 1.8                  | 44,272                         | 2,867,059                     | 1.5                  | -0.3                 |
| Yamhill                  | 29,325                         | 220,101                       | 13.3                 | 38,625                         | 365,774                       | 10.6                 | -2.7                 |
| OREGON<br>STATE<br>TOTAL | 1,349,484                      | 14,530,009                    | 9.3                  | 1,673,635                      | 24,205,721                    | 6.9                  | -2.4                 |

OREGON: TABLE III - UNEMPLOYMENT DATA BY COUNTY; 1980, 1989, AND 1990 (percent)

| COUNTY                     | 1980<br>UNEMPLOYMENT % | 1989<br>UNEMPLOYMENT % | 1990<br>UNEMPLOYMENT % |
|----------------------------|------------------------|------------------------|------------------------|
| Benton                     | 6.7                    | 3.5                    | 3.8                    |
| Clackamas (Portland PMSA)  | 6.3                    | 4.5                    | 4.2                    |
| Columbia                   | 10.0                   | 7.2                    | 7.4                    |
| Coos                       | 13.8                   | 9.8                    | 9.0                    |
| Curry                      | 12.6                   | 6.4                    | 5.8                    |
| Deschutes                  | 11.9                   | 6.7                    | 5.9                    |
| Douglas                    | 12.4                   | 7.8                    | 8.4                    |
| Hood River                 | 9.4                    | 8.2                    | 7.8                    |
| Jackson (Medford MSA)      | 10.3                   | 6.7                    | 6.8                    |
| Jefferson                  | 8.0                    | 6.0                    | 6.4                    |
| Josephine                  | 13.0                   | 7.8                    | 8.0                    |
| Klamath                    | 10.3                   | 7.8                    | 9.3                    |
| Lake                       | 10.8                   | 9.5                    | 9.3                    |
| Lane (Eugene MSA)          | 9.8                    | 5.6                    | 5.8                    |
| Lincoln                    | 8.9                    | 6.0                    | 6.0                    |
| Linn                       | 10.8                   | 7.8                    | 7.8                    |
| Marion (Salem MSA)         | 7.7                    | 5.9                    | 5.4                    |
| Multnomah (Portland PMSA)  | 6.3                    | 4.5                    | 4.2                    |
| Polk (Salem MSA)           | 7.7                    | 5.9                    | 5.4                    |
| Tillamook                  | 9.7                    | 6.8                    | 6.1                    |
| Wasco                      | 7.3                    | 8.4                    | 7.8                    |
| Washington (Portland PMSA) | 6.3                    | 4.5                    | 4.2                    |
| Yamhill (Portland PMSA)    | 7.8                    | 4.5                    | 4.2                    |
| OREGON STATE<br>AVERAGE    | 8.3                    | 5.7                    | 5.5                    |

OREGON: TABLE IV - POPULATION, NET MIGRATION, POPULATION PER SQUARE MILE, AND PERCENT FEDERAL LAND OWNERSHIP  
BY COUNTY, 1980 AND 1989

| COUNTY                | 1980<br>POPULATION | 1990<br>POPULATION | '80 TO '90<br>NET MIGRATION | 1990<br>POPULATION/<br>SQUARE MILE | % FEDERALLY-<br>OWNED LAND<br>IN COUNTY * |
|-----------------------|--------------------|--------------------|-----------------------------|------------------------------------|-------------------------------------------|
| Benton                | 68211              | 70811              | -2215                       | 104                                | 5                                         |
| Clackamas             | 241911             | 278850             | +21205                      | 140                                | 43                                        |
| Columbia              | 35646              | 37557              | -134                        | 58                                 | 0                                         |
| Coos                  | 64047              | 60273              | -6368                       | 38                                 | 7                                         |
| Curry                 | 16992              | 19327              | +2123                       | 17                                 | 57                                        |
| Deschutes             | 62142              | 74958              | +8580                       | 25                                 | 75                                        |
| Douglas               | 93748              | 94649              | -4614                       | 19                                 | 29                                        |
| Hood River            | 15835              | 16903              | -353                        | 32                                 | 63                                        |
| Jackson               | 132456             | 146389             | +6615                       | 53                                 | 26                                        |
| Jefferson             | 11599              | 13676              | +429                        | 8                                  | 25                                        |
| Josephine             | 58855              | 62649              | +2427                       | 38                                 | 33                                        |
| Klamath               | 59117              | 57702              | -5187                       | 10                                 | 56                                        |
| Lake                  | 7532               | 7186               | -873                        | 1                                  | 70                                        |
| Lane                  | 275226             | 282912             | -10515                      | 62                                 | 47                                        |
| Lincoln               | 35264              | 38889              | +2964                       | 40                                 | 29                                        |
| Linn                  | 89495              | 91227              | -4411                       | 40                                 | 33                                        |
| Marion                | 204692             | 228493             | +8820                       | 193                                | 27                                        |
| Multnomah             | 562647             | 583887             | -11783                      | 1355                               | 26                                        |
| Polk                  | 45203              | 49541              | +1759                       | 67                                 | 0                                         |
| Tillamook             | 21164              | 21570              | -72                         | 20                                 | 15                                        |
| Wasco                 | 21732              | 21683              | -907                        | 9                                  | 13                                        |
| Washington            | 245860             | 311554             | +38943                      | 430                                | 1                                         |
| Yamhill               | 55332              | 65551              | +5745                       | 92                                 | 6                                         |
| OREGON STATE<br>TOTAL | 2633156            | 2842321            | +36217                      | 30                                 | 47                                        |

\* Federally-owned natural resource land includes all "Entitlement Acres" as defined by the Bureau of Land Management for calculating Payment-in-Lieu-of-Taxes (PILT) payment to counties. Entitlement acres includes all BLM, Forest Service, Bureau of Reclamation, National Park Service, Corps of Engineers, Fish and Wildlife Service and some Army lands.

OREGON: TABLE V - PERCENT CHANGES IN LUMBER AND TOTAL JOBS, AND LUMBER AND TOTAL WAGES FROM 1980 TO 1989 BY COUNTY (lumber = SIC 24)

| STATE<br>County | % CHANGE IN<br>SIC 24 JOBS<br>'80 to '89 | % CHANGE IN<br>TOTAL JOBS<br>'80 to '89 | % CHANGE IN<br>SIC 24 WAGES<br>'80 to '89,<br>constant '89 \$ | % CHANGE IN<br>TOTAL WAGES<br>'80 to '90,<br>constant '89 \$ |
|-----------------|------------------------------------------|-----------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|
| OREGON          | -3                                       | +17                                     | -17                                                           | +11                                                          |
| Benton          | +127                                     | +16                                     | +100                                                          | +21                                                          |
| Clackamas       | -14                                      | +40                                     | -30                                                           | +27                                                          |
| Columbia        | -2                                       | +15                                     | -26                                                           | +9                                                           |
| Coos            | -36                                      | -5                                      | -46                                                           | -15                                                          |
| Curry           | -4                                       | +16                                     | -26                                                           | -33                                                          |
| Deschutes       | +47                                      | +41                                     | +15                                                           | +30                                                          |
| Douglas         | +8                                       | +9                                      | -12                                                           | -7                                                           |
| Hood River      | +7                                       | +18                                     | -4                                                            | +2                                                           |
| Jackson         | +18                                      | +22                                     | 0                                                             | +12                                                          |
| Jefferson       | +79                                      | +36                                     | +62                                                           | +28                                                          |
| Josephine       | -3                                       | +20                                     | -16                                                           | +9                                                           |
| Klamath         | -14                                      | +6                                      | -21                                                           | -4                                                           |
| Lake            | +30                                      | +5                                      | 0                                                             | -2                                                           |
| Lane            | -11                                      | +14                                     | -24                                                           | +5                                                           |
| Lincoln         | -39                                      | +14                                     | -54                                                           | +3                                                           |
| Linn            | -18                                      | +9                                      | -54                                                           | +3                                                           |
| Marion          | +47                                      | +29                                     | +45                                                           | +16                                                          |
| Multnomah       | -28                                      | +10                                     | -29                                                           | +8                                                           |
| Polk            | -37                                      | +5                                      | -49                                                           | -7                                                           |
| Tillamook       | -62                                      | 0                                       | -69                                                           | -12                                                          |
| Wasco           | -9                                       | -1                                      | -26                                                           | -6                                                           |
| Washington      | +29                                      | +35                                     | +20                                                           | +39                                                          |
| Yamhill         | -6                                       | 25                                      | -12                                                           | +11                                                          |

WASHINGTON: TABLE I - COVERED EMPLOYMENT BY COUNTY; 1980 AND 1989

| COUNTY                         | 1980 LUMBER<br>JOB NUMBERS | 1980 TOTAL<br>JOB NUMBERS | LUMBER %<br>OF TOTAL | 1989 LUMBER<br>JOB NUMBERS | 1989 TOTAL<br>JOB NUMBERS | LUMBER %<br>OF TOTAL | CHANGE<br>'80 TO '89 |
|--------------------------------|----------------------------|---------------------------|----------------------|----------------------------|---------------------------|----------------------|----------------------|
| Chelan                         | 554                        | 21961                     | 2.5                  | 364                        | 26446                     | 1.4                  | -1.1                 |
| Clallam                        | 2334                       | 15485                     | 15.1                 | 1562                       | 17398                     | 9.0                  | -6.1                 |
| Clark                          | 1701                       | 51011                     | 3.3                  | 1789                       | 73184                     | 2.4                  | -0.9                 |
| Cowlitz                        | 4831                       | 30243                     | 16.0                 | 3097                       | 32213                     | 9.6                  | -6.4                 |
| Douglas                        | *                          | 4300                      | % < 2                | *                          | 6875                      | % < 2                | *                    |
| Grays H.                       | 4794                       | 26091                     | 18.4                 | 3122                       | 22848                     | 13.7                 | -4.7                 |
| Jefferson                      | 231                        | 4057                      | 5.7                  | 114                        | 5175                      | 2.2                  | -3.5                 |
| King                           | 6686                       | 664626                    | 1.0                  | 6970                       | 880054                    | 0.8                  | -0.2                 |
| Kittitas                       | 205                        | 7942                      | 2.6                  | 192                        | 8579                      | 2.2                  | -0.4                 |
| Klickitat                      | 844                        | 4455                      | 18.9                 | 931                        | 4896                      | 19.0                 | +0.1                 |
| Lewis                          | 3369                       | 18080                     | 18.6                 | 2616                       | 20262                     | 12.9                 | -5.7                 |
| Mason                          | 1903                       | 7881                      | 24.1                 | 1506                       | 9264                      | 16.3                 | -7.8                 |
| Okanogan                       | 1120                       | 11205                     | 10.0                 | 1284                       | 13316                     | 9.6                  | -0.4                 |
| Pierce                         | 4733                       | 138146                    | 3.4                  | 4268                       | 179990                    | 2.4                  | -1.0                 |
| Skagit                         | 1282                       | 21997                     | 3.4                  | 1176                       | 28471                     | 4.1                  | +0.7                 |
| Skamania                       | 678                        | 3427                      | 19.8                 | 535                        | 1852                      | 28.9                 | +9.1                 |
| Snohomish                      | 3431                       | 102298                    | 3.4                  | 3277                       | 151263                    | 2.2                  | -1.2                 |
| Whatcom                        | 691                        | 35339                     | 2.0                  | 1113                       | 47872                     | 2.3                  | +0.3                 |
| Yakima                         | 1230                       | 61717                     | 2.0                  | 1359                       | 75407                     | 1.8                  | -0.2                 |
| WASHING-<br>TON STATE<br>TOTAL | 47430                      | 1601215                   | 3.0                  | 40434                      | 2021608                   | 2.0                  | -1.0                 |

\*Confidential data

WASHINGTON: TABLE II - COVERED WAGES BY COUNTY; 1980 AND 1989 (thousands of nominal dollars)

| COUNTY                         | 1980 LUMBER<br>WAGE<br>DOLLARS | 1980 TOTAL<br>WAGE<br>DOLLARS | LUMBER %<br>OF TOTAL | 1989 LUMBER<br>WAGE<br>DOLLARS | 1989 TOTAL<br>WAGE<br>DOLLARS | LUMBER %<br>OF TOTAL | CHANGE<br>'80 TO '89 |
|--------------------------------|--------------------------------|-------------------------------|----------------------|--------------------------------|-------------------------------|----------------------|----------------------|
| Chelan                         | 8,269                          | 274,600                       | 3.0                  | 7,012                          | 441,345                       | 1.6                  | -1.4                 |
| Clallam                        | 44,793                         | 218,220                       | 20.5                 | 35,743                         | 309,239                       | 11.6                 | -8.9                 |
| Clark                          | 31,952                         | 760,141                       | 4.2                  | 40,132                         | 1,481,267                     | 2.7                  | -1.5                 |
| Cowlitz                        | 108,437                        | 521,741                       | 20.8                 | 78,888                         | 711,954                       | 11.1                 | -9.7                 |
| Douglas                        | *                              | 50,401                        | % < 2                | *                              | 92,719                        | % < 2                | *                    |
| Grays H.                       | 87,281                         | 429,490                       | 20.3                 | 78,992                         | 435,684                       | 18.1                 | -2.2                 |
| Jefferson                      | 5,290                          | 54,667                        | 9.7                  | 2,473                          | 84,019                        | 2.9                  | -6.8                 |
| King                           | 156,598                        | 11,368,448                    | 1.4                  | 220,349                        | 21,640,810                    | 1.0                  | -0.4                 |
| Kittitas                       | 3,965                          | 97,287                        | 4.1                  | 4,362                          | 138,029                       | 3.2                  | -0.9                 |
| Klickitat                      | 17,156                         | 69,798                        | 24.6                 | 21,431                         | 89,427                        | 24.0                 | -0.6                 |
| Lewis                          | 66,277                         | 256,806                       | 25.8                 | 65,446                         | 369,509                       | 17.7                 | -8.1                 |
| Mason                          | 37,371                         | 111,988                       | 33.4                 | 43,636                         | 169,623                       | 25.7                 | -7.7                 |
| Okanogan                       | 21,925                         | 128,775                       | 17.0                 | 29,448                         | 200,103                       | 14.7                 | -2.3                 |
| Pierce                         | 92,630                         | 2,031,615                     | 4.6                  | 104,189                        | 3,470,871                     | 3.0                  | -1.6                 |
| Skagit                         | 22,624                         | 291,366                       | 7.8                  | 24,271                         | 505,835                       | 4.8                  | -3.0                 |
| Skamania                       | 13,986                         | 74,340                        | 18.8                 | 11,903                         | 33,432                        | 35.6                 | +16.8                |
| Snohomish                      | 67,313                         | 1,666,437                     | 4.0                  | 73,726                         | 3,445,752                     | 2.1                  | -1.9                 |
| Whatcom                        | 11,746                         | 499,121                       | 2.4                  | 21,403                         | 856,198                       | 2.5                  | +0.1                 |
| Yakima                         | 25,967                         | 729,889                       | 3.6                  | 31,626                         | 1,141,805                     | 2.8                  | -0.8                 |
| WASHING-<br>TON STATE<br>TOTAL | 935,962                        | 25,054,294                    | 3.7                  | 1,014,288                      | 43,608,542                    | 2.3                  | -1.4                 |

\*Confidential data

WASHINGTON: TABLE III - UNEMPLOYMENT DATA BY COUNTY; 1980, 1989, AND 1990 (percent)

| COUNTY                      | 1980<br>UNEMPLOYMENT % | 1989<br>UNEMPLOYMENT % | 1990<br>UNEMPLOYMENT % |
|-----------------------------|------------------------|------------------------|------------------------|
| Chelan                      | 12.4                   | 10.3                   | 8.0                    |
| Clallam                     | 13.8                   | 8.5                    | 7.0                    |
| Clark (Vancouver PMSA)      | 7.1                    | 5.9                    | 4.9                    |
| Cowlitz                     | 10.8                   | 8.2                    | 6.9                    |
| Douglas                     | 9.1                    | 8.5                    | 7.0                    |
| Grays Harbor                | 10.7                   | 10.3                   | 9.1                    |
| Jefferson                   | 9.4                    | 5.8                    | 4.8                    |
| King (Seattle PMSA)         | 6.1                    | 4.5                    | 3.4                    |
| Kittitas                    | 8.6                    | 9.0                    | 7.2                    |
| Klickitat                   | 14.5                   | 13.5                   | 11.4                   |
| Lewis                       | 11.4                   | 8.9                    | 7.9                    |
| Mason                       | 7.6                    | 7.3                    | 6.2                    |
| Okanogan                    | 13.9                   | 11.9                   | 9.9                    |
| Pierce (Tacoma PMSA)        | 8.0                    | 6.3                    | 4.8                    |
| Skagit                      | 15.1                   | 8.4                    | 6.7                    |
| Skamania                    | 21.7                   | 18.4                   | 16.0                   |
| Snohomish (Seattle)         | 9.4                    | 4.9                    | 3.9                    |
| Whatcom(Bellingham MSA)     | 10.2                   | 6.7                    | 4.8                    |
| Yakima (Yakima MSA)         | 4.1                    | 11.9                   | 9.8                    |
| WASHINGTON STATE<br>AVERAGE | 7.9                    | 6.2                    | 4.9                    |

WASHINGTON: TABLE IV - POPULATION, NET MIGRATION, POPULATION PER SQUARE MILE, AND PERCENT FEDERAL LAND OWNERSHIP  
BY COUNTY, 1980 AND 1989

| COUNTY                    | 1980<br>POPULATION | 1990<br>POPULATION | '80 TO '90<br>NET MIGRATION | 1990<br>POPULATION/<br>SQUARE MILE | % FEDERALLY-<br>OWNED LAND<br>IN COUNTY * |
|---------------------------|--------------------|--------------------|-----------------------------|------------------------------------|-------------------------------------------|
| Chelan                    | 45061              | 52250              | +3726                       | 18                                 | 75                                        |
| Clallam                   | 51648              | 56464              | +2420                       | 32                                 | 46                                        |
| Clark                     | 192227             | 238053             | +27168                      | 380                                | 1                                         |
| Cowlitz                   | 79548              | 82119              | -2947                       | 72                                 | 3                                         |
| Douglas                   | 22144              | 26205              | +2143                       | 14                                 | 4                                         |
| Grays Harbor              | 66314              | 64175              | -5490                       | 33                                 | 13                                        |
| Jefferson                 | 15965              | 20146              | +3729                       | 11                                 | 61                                        |
| King                      | 1269749            | 1507319            | +140834                     | 708                                | 24                                        |
| Kittitas                  | 24877              | 26725              | +767                        | 12                                 | 29                                        |
| Klickitat                 | 15822              | 16616              | -314                        | 9                                  | 3                                         |
| Lewis                     | 56025              | 59358              | +55                         | 25                                 | 30                                        |
| Mason                     | 31184              | 38341              | +5387                       | 40                                 | 27                                        |
| Okanogan                  | 30639              | 33350              | +176                        | 6                                  | 46                                        |
| Pierce                    | 485643             | 586203             | +44140                      | 350                                | 31                                        |
| Skagit                    | 64138              | 79555              | +15417                      | 46                                 | 46                                        |
| Skamania                  | 7919               | 8289               | -310                        | 5                                  | 75                                        |
| Snohomish                 | 337720             | 465642             | +87072                      | 222                                | 47                                        |
| Whatcom                   | 106701             | 127780             | +13128                      | 60                                 | 61                                        |
| Yakima                    | 172508             | 188823             | -2050                       | 44                                 | 19                                        |
| WASHINGTON<br>STATE TOTAL | 4132156            | 4866692            | +369488                     | 73                                 | 27                                        |

\* Federally-owned natural resource land includes all "Entitlement Acres" as defined by the Bureau of Land Management for calculating Payment-in-Lieu-of-Taxes (PILT) payments to counties. Entitlement acres includes all BLM, Forest Service, Bureau of Reclamation, National Park Service, Corps of Engineers, Fish and Wildlife Service, and some Army lands.

WASHINGTON: TABLE V - PERCENT CHANGES IN LUMBER AND TOTAL JOBS, AND LUMBER AND TOTAL WAGES FROM 1980 TO 1989 BY COUNTY (lumber = SIC 24)

| STATE<br>County | % CHANGE IN<br>SIC 24 JOBS<br>'80 TO '89 | % CHANGE IN<br>TOTAL JOBS<br>'80 TO '89 | % CHANGE IN<br>SIC 24 WAGES<br>'80 TO '89,<br>constant '89 \$ | % CHANGE IN<br>TOTAL WAGES<br>'80 TO '89,<br>constant '89 \$ |
|-----------------|------------------------------------------|-----------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|
| WASHINGTON      | -15                                      | +26                                     | -28                                                           | +16                                                          |
| Chelan          | -34                                      | +20                                     | -43                                                           | + 7                                                          |
| Clallam         | -33                                      | +12                                     | -47                                                           | + 6                                                          |
| Clark           | + 5                                      | +43                                     | -16                                                           | +30                                                          |
| Cowlitz         | -36                                      | + 7                                     | -52                                                           | -11                                                          |
| Douglas         | -88                                      | +60                                     | -93                                                           | +23                                                          |
| Grays Harbor    | -35                                      | +12                                     | -40                                                           | -32                                                          |
| Jefferson       | -51                                      | +28                                     | -69                                                           | + 2                                                          |
| King            | + 4                                      | +30                                     | - 6                                                           | +27                                                          |
| Kittitas        | - 6                                      | + 8                                     | -27                                                           | - 5                                                          |
| Klickitat       | +10                                      | +10                                     | -17                                                           | -15                                                          |
| Lewis           | -22                                      | +12                                     | -34                                                           | - 4                                                          |
| Mason           | -21                                      | +18                                     | -22                                                           | + 1                                                          |
| Okanogan        | +15                                      | +19                                     | -10                                                           | + 4                                                          |
| Pierce          | -10                                      | +30                                     | -25                                                           | +14                                                          |
| Skagit          | - 8                                      | +29                                     | -28                                                           | +16                                                          |
| Skamania        | -21                                      | -46                                     | -43                                                           | -70                                                          |
| Snohomish       | - 4                                      | +48                                     | -27                                                           | +38                                                          |
| Whatcom         | +61                                      | +35                                     | +21                                                           | +14                                                          |
| Yakima          | +10                                      | +22                                     | -19                                                           | + 4                                                          |

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# CALIFORNIA — NEVADA FOREST PRODUCTS STATISTICS

## Total Timberland\*

16,933,000 Acres

### Ownership

|                  |       |
|------------------|-------|
| Federal          | 54.1% |
| Indian           | 0.6%  |
| Other Government | 0.6%  |
| Private          | 44.7% |

## Total Volume of Sawtimber\*

291,234,000 M Feet

### Ownership

|         |       |
|---------|-------|
| Public  | 65.7% |
| Private | 34.3% |

## Lumber Production

1983  
1984  
1985  
1986  
1987  
1988  
1989  
1990  
1991

### (M Feet)

3,574,000  
3,891,000  
4,168,000  
4,865,000  
5,408,000  
5,671,000  
5,320,000  
4,981,000  
4,218,000

### Estimated Wholesale Value

\$ 1,124,300,000  
1,167,300,000  
1,222,200,000  
1,454,300,000  
1,740,100,000  
1,844,800,000  
1,750,200,000  
1,564,000,000  
1,391,900,000

## Employment

1990

1991

Lumber & Wood Products, except furniture  
*Logging, sawmills, planing mills*  
*Millwork, plywood & related products*

68,100  
20,300  
27,700

56,100  
16,300  
22,600

\*As of January 1, 1987

## 1990 PROFILE OF CALIFORNIA — NEVADA SAWMILLS

### Source of Timber

|               |       |
|---------------|-------|
| Company owned | 46.6% |
| Federal       | 30.9% |
| Other         | 22.5% |

### Mode of Transportation

|          |       |
|----------|-------|
| By rail  | 18.5% |
| By truck | 79.7% |
| By water | 1.8%  |

### Species Cut

|                     |       |
|---------------------|-------|
| Douglas Fir & Larch | 27.7% |
| Ponderosa Pine      | 16.7% |
| Hem-Fir             | 24.7% |
| Redwood             | 21.5% |
| Sugar Pine          | 6.1%  |
| Incense Cedar       | 3.2%  |
| Other               | 0.1%  |

### Principal Markets

|               |       |
|---------------|-------|
| California    | 67.7% |
| Other West    | 11.3% |
| Midwest       | 8.8%  |
| Northeast     | 3.5%  |
| South Central | 3.0%  |
| Southeast     | 2.8%  |
| Export        | 2.9%  |

### Degree of Processing

|            |       |
|------------|-------|
| Kiln dried | 48.4% |
| Air dried  | 4.2%  |
| Green      | 47.4% |
| Rough      | 17.3% |
| Surfaced   | 82.7% |

### Distribution Channels

|                                      |       |
|--------------------------------------|-------|
| Direct to user                       | 7.2%  |
| Direct to retailer                   | 7.1%  |
| Wholesaler                           | 64.1% |
| Company owned distribution yards     | 5.0%  |
| To factory for further manufacturing | 16.6% |

## OREGON FOREST PRODUCTS STATISTICS

**Total Timberland\***  
22,085,000 Acres

| Ownership        |       |
|------------------|-------|
| Federal          | 56.4% |
| Indian           | 1.4%  |
| Other Government | 4.3%  |
| Private          | 37.9% |

**Total Volume of Sawtimber\***  
363,862,000 M Feet

| Ownership |       |
|-----------|-------|
| Public    | 78.2% |
| Private   | 21.8% |

| Lumber Production | (M Feet)  | Estimated Wholesale Value |
|-------------------|-----------|---------------------------|
| 1983              | 6,579,000 | \$ 1,746,000,000          |
| 1984              | 7,202,000 | 1,792,800,000             |
| 1985              | 7,211,000 | 1,769,900,000             |
| 1986              | 8,149,000 | 2,029,100,000             |
| 1987              | 8,846,000 | 2,410,100,000             |
| 1988              | 8,601,000 | 2,444,700,000             |
| 1989              | 8,512,000 | 2,566,500,000             |
| 1990              | 7,511,000 | 2,198,100,000             |
| 1991              | 6,595,000 | 1,962,100,000             |

| Employment                               | 1990   | 1991   |
|------------------------------------------|--------|--------|
| Lumber & Wood Products, except furniture | 64,000 | 56,400 |
| Logging Camps, Contractors               | 11,300 | 9,700  |
| Sawmills & Planing Mills                 | 21,500 | 18,800 |
| Plywood & Veneer                         | 14,500 | 11,900 |
| Millwork & Structural Members, etc.      | 10,600 | 9,800  |

\* As of January 1, 1987

## 1990 PROFILE OF OREGON SAWMILLS

| Source of Timber     |       | Mode of Transportation               |       |
|----------------------|-------|--------------------------------------|-------|
| Company owned        | 18.7% | By rail                              | 38.7% |
| Federal              | 54.6% | By truck                             | 55.4% |
| Other                | 26.7% | By water                             | 5.9%  |
| Species Cut          |       | Principal Markets                    |       |
| Douglas Fir          | 60.0% | California                           | 34.5% |
| Ponderosa Pine       | 15.9% | Other West                           | 35.2% |
| Hem-Fir              | 14.8% | Midwest                              | 8.7%  |
| Western Red Cedar    | 2.6%  | Northeast                            | 5.2%  |
| Sugar Pine           | 1.3%  | South Central                        | 2.6%  |
| Lodgepole Pine       | 1.6%  | Southeast                            | 3.6%  |
| Incense Cedar        | 0.9%  | Export                               | 10.2% |
| Engelmann Spruce     | 0.6%  | Distribution Channels                |       |
| Hardwoods            | 1.2%  | Direct to user                       | 6.0%  |
| Whitewoods           | 0.5%  | Direct to retailer                   | 16.2% |
| Other                | 0.6%  | Wholesaler                           | 54.2% |
| Degree of Processing |       | Company owned distribution yards     | 6.4%  |
| Kiln dried           | 38.3% | To factory for further manufacturing | 17.2% |
| Air dried            | 1.5%  |                                      |       |
| Green                | 60.2% |                                      |       |
| Rough                | 14.9% |                                      |       |
| Surfaced             | 85.1% |                                      |       |

# WASHINGTON FOREST PRODUCTS STATISTICS

## Total Timberland\*

16,849,000 Acres

### Ownership

|                  |       |
|------------------|-------|
| Federal          | 29.8% |
| Indian           | 8.2%  |
| Other Government | 13.3% |
| Private          | 48.7% |

## Total Volume of Sawtimber\*

310,659,000 M Feet

### Ownership

|         |       |
|---------|-------|
| Public  | 61.2% |
| Private | 38.8% |

## Lumber Production

1983  
1984  
1985  
1986  
1987  
1988  
1989  
1990  
1991

### (M Feet)

3,821,000  
3,697,000  
3,419,000  
4,132,000  
4,645,000  
4,408,000  
4,274,000  
3,919,000  
3,820,000

### Estimated Wholesale Value

\$ 927,800,000  
848,600,000  
781,700,000  
972,300,000  
1,185,900,000  
1,173,400,000  
1,227,400,000  
1,082,000,000  
1,071,400,000

## Employment

1990

1991

Lumber & Wood Products, except furniture  
*Logging Camps, Contractors*  
*Sawmills & Planing Mills*  
*All Other*

39,159  
9,357  
14,281  
15,521

35,566  
8,318  
12,911  
14,337

\*As of January 1, 1987

## 1990 PROFILE OF WASHINGTON SAWMILLS

### Source of Timber

|               |       |
|---------------|-------|
| Company owned | 27.9% |
| Federal       | 23.0% |
| Other         | 49.1% |

### Mode of Transportation

|          |       |
|----------|-------|
| By rail  | 28.6% |
| By truck | 51.9% |
| By water | 19.5% |

### Species Cut

|                   |       |
|-------------------|-------|
| Douglas Fir       | 49.2% |
| Hem-Fir           | 24.3% |
| Ponderosa Pine    | 9.6%  |
| Western Red Cedar | 9.0%  |
| Idaho White Pine  | 0.1%  |
| Engelmann Spruce  | 1.3%  |
| Lodgepole Pine    | 0.3%  |
| Whitewoods        | 0.1%  |
| Hardwoods         | 6.1%  |

### Principal Markets

|               |       |
|---------------|-------|
| California    | 17.9% |
| Other West    | 42.1% |
| Midwest       | 11.6% |
| Northeast     | 5.3%  |
| South Central | 2.7%  |
| Southeast     | 3.8%  |
| Export        | 16.6% |

### Degree of Processing

|            |       |
|------------|-------|
| Kiln dried | 47.5% |
| Air dried  | 2.1%  |
| Green      | 50.4% |
| Rough      | 12.6% |
| Surfaced   | 87.4% |

### Distribution Channels

|                                      |       |
|--------------------------------------|-------|
| Direct to user                       | 8.5%  |
| Direct to retailer                   | 18.5% |
| Wholesaler                           | 50.0% |
| Company owned distribution yards     | 9.2%  |
| To factory for further manufacturing | 13.8% |