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Hydrologic Engineering Center

National Hydroelectric Power Resources Study

Preliminary Inventory of Hydropower Resources

Volume 2: Pacific Southwest Region

July 1979

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14. ABSTRACT

This is Volume 2 of the Preliminary Inventory of Hydropower Resources, which is a component of the Corps' National Hydropower Study. There are five more volumes, which are divided along regional boundaries of the United States. The regions have been arbitrarily selected, but each roughly approximates broad physical and cultural divisions of the country.

The purpose of these reports is to provide preliminary estimates of the existing and potentially feasible hydroelectric power resources in the Untied States, and to briefly evaluate their regional significance. Each volume contains a description of the methods of study, national and regional summary statistics and a brief assessment of the resource potential. Appendix 1 of each volume contains individual state summary totals with the data grouped in various hydraulic head and capacity ranges, and an inventory of all potentially feasible sites in each state included in the appropriate region. Appendix 2 of each volume is a brief description of the hydroelectric power terms used in the reports. Appendix 3 contains a list of Corps of Engineers Division and District field offices.

15. SUBJECT TERMS
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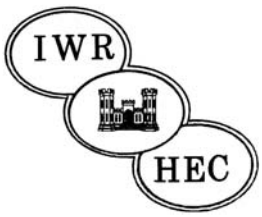

PR-4b

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The preparation of these reports was a coordinated effort accomplished with the assistance of many individuals in the U.S. Army Corps of Engineers. The primary responsibility for these reports was assigned to the U.S. Army Corps of Engineers, Institute for Water Resources (IWR), under the direction of Mr. A. J. Fredrich. The Preliminary Inventory of Hydropower Resources was developed as a major component of the Corps' National Hydropower Study. Supplemental funding was provided by the United States Department of Energy (DOE) through the DOE Small-Scale Hydropower Development Program. Both of these studies are under the direction of Mr. James R. Hanchey, Deputy Director for Special Studies at the Institute for Water Resources.

The manuscript herein was written and prepared by Dr. Wayne R. Sigleo, Mr. James R. Hanchey and Mr. Darrell G. Nolton of the Corps' Institute for Water Resources. The text had the benefit of informal review and comment by the staff of the National Hydropower Study group at the Institute. The data presented in these reports were collected by the Corps' Division and District field offices. The presentation of these data, particularly the tables and computer format, were made possible through the concentrated efforts of Mr. Gary Franc of the Corps' Hydrologic Engineering Center (HEC) who, based on instructions from Mr. Jim Dalton of the Corps' Southwestern Division (SWD), developed the computer software to summarize the data from the inventory and made all necessary computer runs. HEC arranged for the printing of these reports and is responsible for their distribution.

Some of the major responsibilities associated with the National Hydropower Study were assigned to the Corps' Hydrologic Engineering Center, under the supervision of Mr. Bill S. Eichert, the Center's Director. HEC was assigned the tasks of developing the data management software, the editing and analysis programs required in the screening studies and in making the computer runs required in the screening process. Mr. Jim Dalton (SWD) was instrumental in formulating the computational techniques used and was assigned the responsibility of technical management. Mr. Dale R. Burnett was HEC's overall coordinator; Mr. Tom White and Mr. Orval Bruton of the Corps' North Pacific Division (NPD) developed the cost-estimating procedures; Messrs. Arthur Pabst and Mark Lewis (HEC) developed the file management software; and Ms. Marilyn Hurst (HEC) did most of HEC's computer production runs for the National Hydropower Study.

Grateful acknowledgements are extended to the support staff of IWR and HEC for their patience and endurance in the overall effort to complete these reports. In particular, Ms. Sharon Blake and Ms. Denise Henderson of IWR and Ms. Penni Baker of HEC should be recognized. Finally, since it is not possible, because of the scope of these reports, to mention all participants by name, acknowledgements are extended to all, especially the National Hydropower Study coordinators and other Division and District personnel who devoted many hours to the organization and data collection activities necessary to provide this preliminary inventory of hydroelectric power resources in the United States.

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PRELIMINARY INVENTORY OF HYDROPOWER RESOURCES

INTRODUCTION

Since completion of the world's first central hydroelectric generating facility at Appleton, Wisconsin in 1882, hydropower has played a major role in our nation's social and economic development. Although this first installation was comparatively small (providing only enough power to light 250 light bulbs), it had a large impact, and streams and rivers across the country were rapidly developed to generate electricity. Today, hydropower provides about 13 percent of the nation's total electric power with a conventional installed capacity of about 64,000 megawatts and an average annual energy generation of some 280 thousand gigawatt-hours.

Hydroelectric power development was rapid during the first half of the twentieth century, but by the mid-1960's many factors had combined to diminish its contribution to electrical utility systems. First, the most favorable sites were developed early, and the undeveloped potential simply did not look as attractive when compared to other available energy sources. Second, demand for electricity increased rapidly during the 50's and 60's, and even with the continued development of new sites, hydropower's "share of the load" steadily decreased. Finally, the low cost of fossil fuels and optimistic forecasts concerning nuclear technology and its public acceptability led many planners to believe that the nation's energy future was secure.

During the past decade, a number of interacting factors, including rising fuel prices, rapid escalation of the costs in constructing thermal generating facilities, and increased public concern over the safety of nuclear plants have prompted not only a search for new energy alternatives, but also a reexamination of previously ignored or discounted alternatives. Because of the immediate need to develop new sources of energy, planners at all levels of organization have significantly increased their efforts to assess the most feasible alternatives to meet present and future energy demands. Hydroelectric power development, particularly incremental or new capacity at existing facilities, could provide an important contribution to our nation's growing energy needs.

The U.S. Army Corps of Engineers is currently conducting a detailed assessment of the nation's hydroelectric resources as part of the National Hydroelectric Power Study authorized by Section 167 of the Water Resources Development Act of 1976 (P.L. 94-587). The study is designed to provide a current and comprehensive estimate of the potential for incremental or new generation at existing dams and other water resource projects, as well as for undeveloped sites in the United States. In addition, the study will address the demand for

hydroelectric power, and will investigate various related policy and technical considerations to determine the incentives, constraints and impacts of developing hydropower to meet a portion of our future energy demands. When complete in 1981, the effort will provide a more detailed evaluation of the nation's hydroelectric resources, and will serve as a framework for future planning and development of this important renewable energy source.

The National Hydropower Study addresses all conventional hydroelectric power potential at Federal and non-federal installations, and considers both large and small-scale dams and other water resource projects. The Corps of Engineers involvement in studying the nation's small-scale potential dates from President Carter's Energy Plan of 1977. This program specifically recognized the opportunity for redeveloping small-scale hydropower as an alternative source of energy and the President directed the Corps to produce summary estimates of the potential at existing small dams in the country.

The directive led to the Corps' preliminary 90-day hydropower study which was published in 1977[1]. This study was the first to provide comprehensive estimates of the small-scale potential at existing dams and also identified key areas of the country where small-scale hydropower development could potentially reduce dependence on fossil fuels as a source of energy generation. It is important to note that these estimates were based largely on theoretical potentials calculated for the river basins in the United States and were not the product of site-specific investigations.

During the initial planning stages of the National Hydropower Study, the U.S. Department of Energy requested that a more detailed assessment be made of the nation's small-scale hydroelectric resources. Because of the wide public interest in this potentially valuable alternative energy resource, the small-scale assessment has been integrated into the overall National Hydropower Study and is included in this series of reports.

PURPOSE AND SCOPE

Site-specific information on the physical hydroelectric power potential is essential in determining the social, economic, institutional and environmental feasibility of developing this resource. Because of the immediate need for wide dissemination of state, regional and national hydropower data, the Corps' Institute for Water Resources has prepared

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[1] R. J. McDonald, Estimate of National Hydroelectric Power Potential at Existing Sites, Institute for Water Resources, Ft. Belvoir, Virginia, July 1977.

this series of regional reports, Preliminary Inventory of Hydropower Resources. The inventory is the result of a comprehensive data collection effort conducted by the Corps of Engineers and is based on site-specific analysis and evaluation.

The purpose of these reports is to provide preliminary estimates of the existing and potentially feasible hydroelectric power resources in the United States, and to briefly evaluate their regional significance. The estimates of existing, incremental and undeveloped hydropower potential have been grouped in three categories which are based on megawatt (MW) capacity. These include small-scale (.05-15 MW); intermediate (15-25 MW); and large-scale (greater than 25 MW).

The reports have been organized into 6 volumes, each divided along regional boundaries of the United States (Figure 1). The regions have been arbitrarily selected, but each roughly approximates broad physical and cultural divisions of the country. They include:

a. Pacific Northwest (Vol. 1)
b. Pacific Southwest (Vol. 2)
c. Mid-Continent (Vol. 3)
d. Lake Central (Vol. 4)
e. Southeast (Vol. 5)
f. Northeast (Vol. 6)

Each volume of the Preliminary Inventory of Hydropower Resources contains a description of the methods of study, national and regional summary statistics, and a brief assessment of the resource potential. Appendix 1 of each volume contains invididual state summary totals with the data grouped in various hydraulic head and capacity ranges, and an inventory of all potentially feasible sites in each state included in the appropriate region. The inventory includes site-specific geographic information, project purpose and ownership references, refined streamflow and hydraulic data, and the capacity and hydroelectric energy estimates. Appendix 2 of each volume is a brief description of the hydroelectric power terms used in the reports, and for further information, Appendix 3 contains a list of Corps of Engineers Division and District field offices.

METHODS OF STUDY

The preliminary inventory of potentially feasible hydropower resources includes an estimate of the capacity and energy available at both existing dams and undeveloped sites in the United States. The major source of data on existing hydropower facilities was the National Inventory of Dams developed by the Corps of Engineers as part of the National Dam Safety Program.[2] This inventory contains geographic,

[2] U.S. Army Corps of Engineers, National Program of Inspection of Dams, in 5 Volumes, Office of the Chief of Engineers, Washington, D. C., May 1975

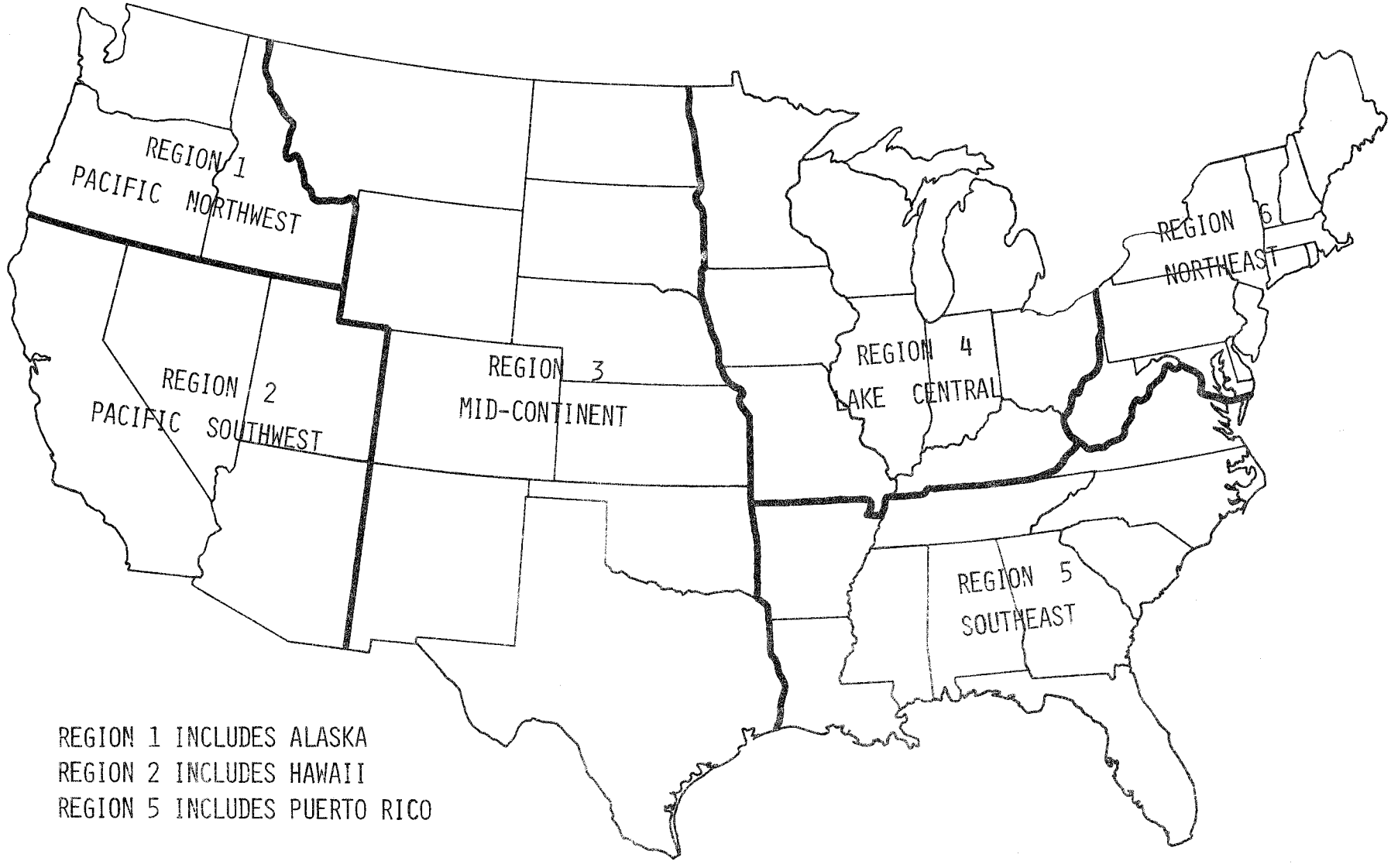

FIGURE 1: REGIONS AS DEFINED FOR THE PRELIMINARY INVENTORY OF HYDROPOWER RESOURCES

physical, and ownership data on approximately 50,000 dams in the nation. Identification and data collection on undeveloped sites was more limited since only about 5,000 sites had been identified or previously studied by the Corps of Engineers and other local, state and Federal water resource agencies. In addition, no attempt was made to include pumped storage sites in the inventory.

The data in the original national inventory of dams were supplemented as necessary to develop preliminary estimates of the hydroelectric power potential at each site. Computer routines which utilized head, storage and streamflow estimates were developed to compute the capacity and energy potential of each existing dam and undeveloped site. A screening routine was used to eliminate those sites without sufficient storage, head or streamflow to generate a significant amount of electrical energy. Generally, the existing dams and undeveloped site locations listed in the inventory are those with a capacity of 50 kilowatts or greater. In most cases, the current installed capacity at existing dams was derived from the nameplate capability. This initial screening procedure reduced the number of sites in the active inventory from approximately 55,000 to about 17,500.

During the second stage of the preliminary screening, additional physical data were collected for all sites remaining in the inventory. In particular, the supplemental data included the designation of a U.S. Geological Survey (U.S.G.S.) reference gaging station; a refined estimate of the available net power head; and an estimate of the drainage area associated with each site. Computer routines developed by the Hydrologic Engineering Center and the Corps' Southwestern Division were utilized with USGS streamflow data and drainage area measurements to produce a synthetic flow-duration curve at each site. Conventional flow-duration analysis was used to estimate the capacity and energy available at each site for a range of plant factors.

Generalized cost estimates were developed by the Corps' North Pacific Division to approximate the cost of turbines, generators, and other powerhouse costs associated with the representative capacity selected for each site in the inventory. Generalized regional power values, developed for the study by the Federal Energy Regulatory Commission (FERC), were used to provide a preliminary estimate of the value of the potential capacity and energy at each site. Each site was then sized at the capacity and energy which gave a maximum net benefit. A second screening, comparing the estimated powerhouse cost with the value of power to be produced, eliminated those sites which had doubtful economic feasibility. This screening process reduced the active inventory to approximately 11,000 sites which are contained in these regional reports.

The basic objective of the preliminary inventory and analysis procedures is to provide a comprehensive assessment of the undeveloped hydroelectric power potential in the United States and to determine

which sites merit more thorough investigation. Accordingly, conservative assumptions have been made in the screening and analysis process to avoid eliminating any potentially feasible sites. The current summary tables provide the best estimates to date, but to some degree, may overstate the actual capacity and energy which could be developed. The estimates for individual sites may be overstated for the following reasons:

a. A reduction of net power head due to rising tailwater conditions during high flows was not computed.

b. The analysis technique of maximum net benefits, using incomplete project cost resulted in a low plant factor operation. This type of operation could require more reservoir storage than is available for regulating power flows or could cause fluctuations in the surface elevation of the reservoir or downstream flow that would not be acceptable.

c. Computations ignored diversion of water for other uses, as well as losses due to evaporation.

d. Turbines were assumed to be 100 percent efficient, and head losses through penstocks were not estimated.

e. During periods of high flow, it was calculated that streamflow would pass through the turbines at the design discharge rate when infact, during excessively high flows, the plant may be shut down because of high tailwater and reduced head.

f. Summary tables include estimates of the potential capacity and energy at each site in the inventory. In some cases, individual projects may be site alternatives to others in the same general location, when only one can be considered for hydropower development.

g. Detailed consideration of the social, economic, institutional and environmental constraints associated with hydropower development were not specifically included in the analysis.

All of the issues listed above will be addressed during future stages of the National Hydropower Study through the addition of more detailed site-specific information, and by refinements in the computer routines used in assessing the data.

RESOURCE ASSESSMENT

National Potential

Estimates of the existing, incremental and undeveloped conventional hydroelectric power potential for the various regions of the United States are presented in Table 1. The total physical resource for all regions is estimated to exceed 512,000 MW of capacity with an average annual energy generation greater than 1.4 million GWH. At the present time, the Corps has identified 1,251 existing hydropower facilities currently generating power with a total installed capacity of some 64,000 MW producing over 280,000 GWH of average annual energy. There are over 5,400 existing dams which have the potential for new incremental power development. Some of these are currently generating power, and full development of the incremental potential could yield an additional capacity of some 94,000 MW with an average annual energy generation exceeding 223,000 GWH. There are also some 4,500 potentially feasible, undeveloped sites which, if fully developed for hydropower, could produce another 354,000 MW with an estimated average annual energy greater than 935,000 GWH.

The distribution of the overall hydroelectric power resource in the nation is shown in Figure 2. The Pacific Northwest has the largest proportion of the nation's installed capacity and currently generates some 48 percent of the conventional hydroelectric energy produced in the United States. Other areas with a significant, but smaller proportion of the total installed capacity and energy generation include the Southeast, Northeast, and Pacific Southwest regions. Nearly all existing hydroelectric facilities and other water resource projects in the country have the capability for incremental energy generation with the Northeast, Lake Central and Pacific Northwest having a large share of this potential. The undeveloped hydroelectric resource is widely distributed, but appears greatest in the Pacific Northwest, Mid-Continent and Southeast regions, particularly at large-scale sites.

There are over 5,600 small-scale dams in the country which are either generating power, or have the potential for incremental development. The installed capacity at existing small-scale facilities is estimated to be some 3,000 MW with an average annual energy generation exceeding 15,000 GWH. These values represent about 5 percent of the nation's current installed hydroelectric capacity and energy generation. Approximately 5,400 MW of new incremental capacity could be installed at a large percentage of the existing small-scale dams for an estimated energy generation of about 17,000 GWH annually. In addition, some 2,600 potentially feasible, undeveloped sites have been identified which could provide an estimated capacity of 8,000 MW and more than 28,000 GWH of average annual energy generation.

As shown in Figure 3, the amount and regional distribution of the small-scale resource potential varies considerably, as these patterns closely reflect an interaction between climate, landforms and settlement

TABLE 1. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES

REGIONAL SUMMARIES

REGION	EXISTING,[1] POTENTIAL INCREMENTAL[2] AND UNDEVELOPED[3] CAPACITY RANGES												TOTAL			
	Small-Scale (.05-15 MW)				Intermediate (15-25 MW)				Large-Scale (Greater Than 25 MW)				(All Sizes)			
	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total
Vol. 1 Pacific N. West																
No. of Sites	93	282	745	1,120	13	36	208	257	73	83	896	1,052	179	401	1,849	2,429
Cap. (MW)	430	642	3,702	4,774	234	700	4,069	5,003	26,141	31,919	259,709	317,769	26,804	33,262	267,480	327,546
Ener (GWH)	2,441	2,234	16,390	21,065	1,216	1,943	14,738	17,897	130,365	33,999	673,918	838,282	134,022	38,175	705,045	877,242
Vol. 2 Pacific S. West																
No. of Sites	111	354	272	737	9	17	26	52	69	43	110	222	189	414	408	1,011
Cap. (MW)	410	574	632	1,616	171	345	509	1,025	9,347	5,109	16,043	30,499	9,928	6,028	17,184	33,140
Ener (GWH)	2,176	1,569	1,640	5,385	837	550	1,059	2,446	37,311	8,729	31,877	77,917	40,325	10,849	34,577	85,751
Vol. 3 Mid-Continent																
No. of Sites	54	779	666	1,499	11	15	63	89	44	59	234	337	109	853	963	1,925
Cap. (MW)	184	850	1,182	2,216	218	317	1,311	1,846	6,087	6,589	27,376	40,052	6,488	7,758	29,868	44,114
Ener (GWH)	1,372	2,138	3,074	6,584	1,006	524	3,142	4,672	22,403	12,481	64,274	99,158	24,781	15,144	70,491	110,416
Vol. 4 Lake Central																
No. of Sites	204	601	551	1,356	10	43	16	69	17	88	59	164	231	732	626	1,589
Cap. (MW)	734	914	926	2,574	180	875	319	1,374	1,689	14,038	6,552	22,279	2,602	15,830	7,799	26,231
Ener (GWH)	3,439	3,128	2,859	9,426	940	2,124	763	3,827	5,475	39,514	17,380	62,369	9,854	44,766	21,004	75,624
Vol. 5 Southeast																
No. of Sites	110	566	265	941	19	29	54	102	98	87	146	331	227	682	465	1,374
Cap. MW)	285	704	1,077	2,066	360	559	1,114	2,033	11,182	11,758	20,969	43,909	11,827	13,021	23,160	48,008
Ener (GWH)	1,000	2,189	3,349	6,538	1,105	1,185	2,863	5,153	36,409	21,466	67,460	125,335	38,514	24,840	73,672	137,026

TABLE 1. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES

REGIONAL SUMMARIES (CONTINUED)

REGION	EXISTING,[1] POTENTIAL INCREMENTAL[2] AND UNDEVELOPED[3] CAPACITY RANGES												TOTAL			
	Small-Scale (.05-15 MW)				Intermediate (15-25 MW)				Large-Scale (Greater Than 25 MW)				(All Sizes)			
	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total
Vol. 6* Northeast																
No. of Sites	270	2,231	143	2,644	19	26	20	65	27	85	58	170	316	2,342	221	2,879
Cap. (MW)	914	1,771	491	3,176	354	524	400	1,278	4,784	16,446	7,568	28,798	6,053	18,737	8,457	33,247
Ener (GWH)	4,620	6,009	1,531	12,160	1,613	1,533	938	4,084	26,276	81,898	28,610	136,784	32,508	89,440	31,078	153,026
NATIONAL TOTAL																
No. of Sites	842	4,813	2,642	8,297	81	166	387	634	328	445	1,503	2,276	1,251	5,424	4,532	11,207
Cap. (MW)	2,957	5,455	8,010	16,422	1,517	3,320	7,722	12,559	59,230	85,859	338,217	483,306	63,702	94,636	353,948	512,286
Ener (GWH)	15,048	17,267	28,843	61,158	6,717	7,859	23,503	38,079	258,239	198,087	883,519	1,339,845	280,004	223,214	935,867	1,439,085

[1] Existing hydroelectric power facilities currently generating power.

[2] Existing dams and/or other water resource projects with the potential for new and/or additional hydroelectric capacity.

[3] Undeveloped sites where no dam or other engineering structure presently exists.

* Data on undeveloped sites in the New England states are not available (NA).

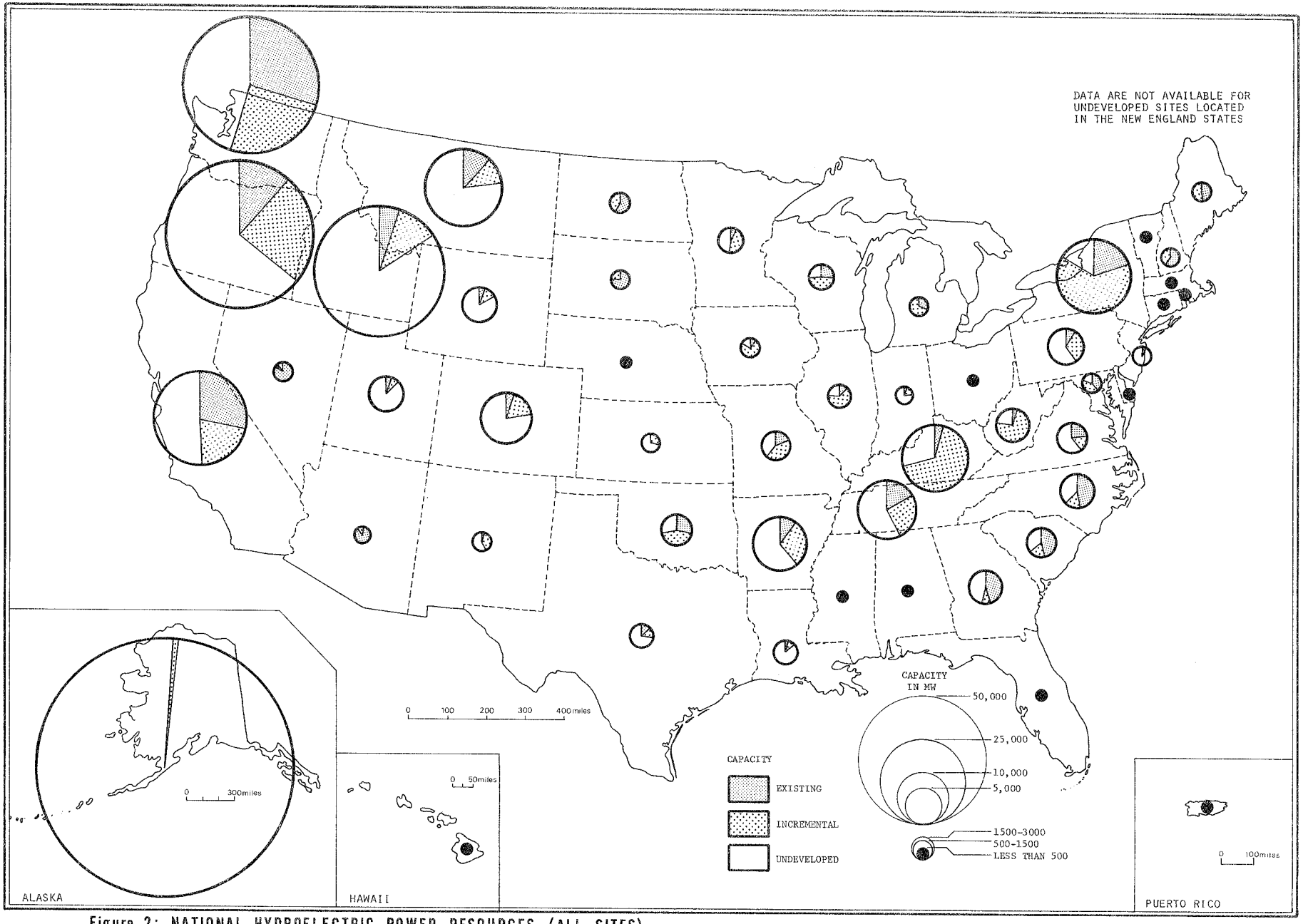

Figure 2: NATIONAL HYDROELECTRIC POWER RESOURCES, (ALL SITES)

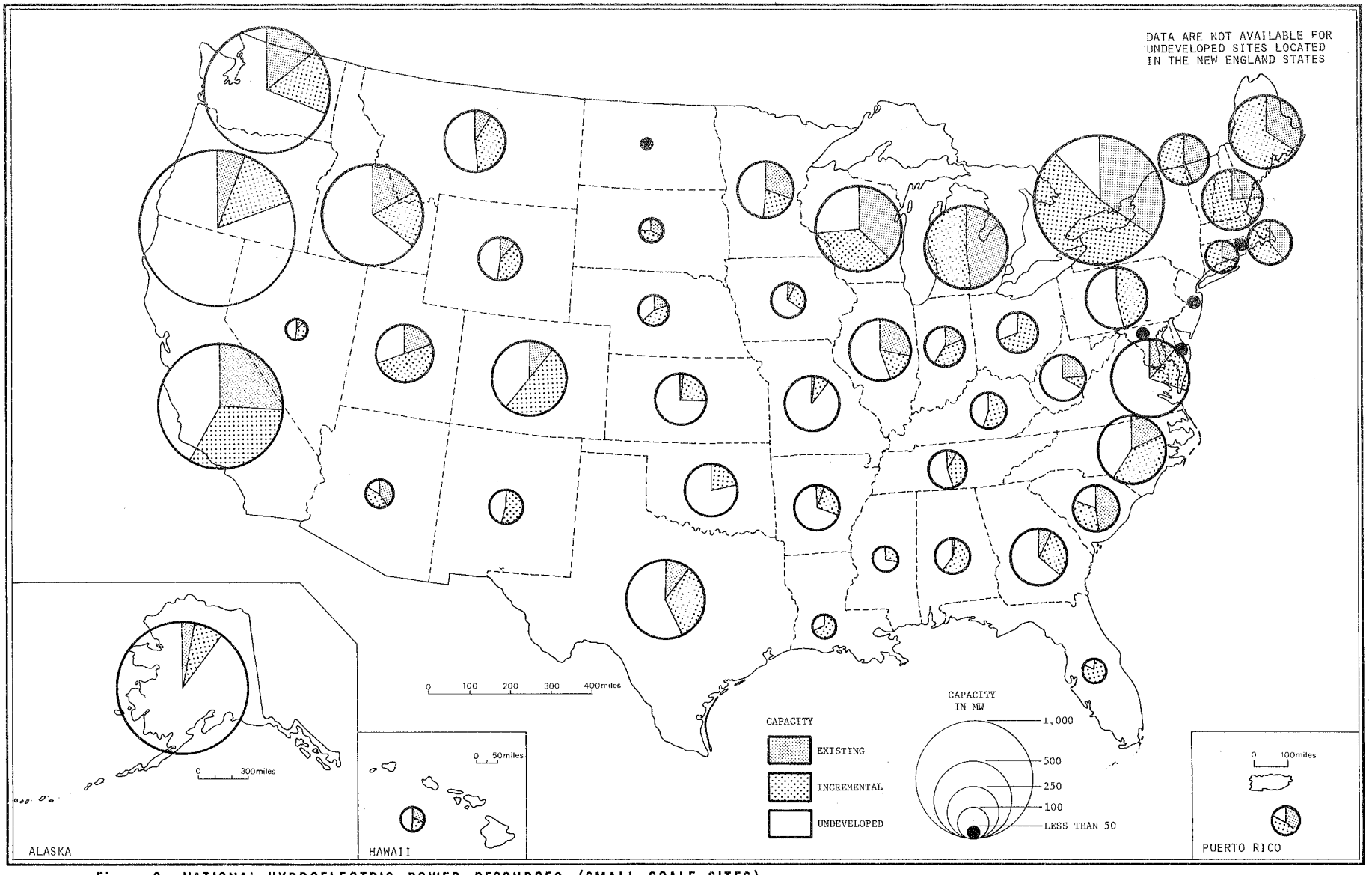

Figure 3; NATIONAL HYDROELECTRIC POWER RESOURCES, (SMALL-SCALE SITES)

history. The greatest number and density of small-scale facilities with installed capacity are found in the Northeast and Lake Central regions of the country. When considered together, these two regions generate more than 53 percent of the total energy produced from all small-scale facilities in the United States. All regions have the potential for incremental power development at existing sites, especially the Northeast, Lake Central and Mid-Continent regions. Significantly, many of the small dams with incremental potential in these regions are located near smaller population and industrial centers where existing transmission interties are well developed. The undeveloped hydroelectric potential at small-scale sites is widely distributed, but appears greatest in the Pacific Northwest, Lake Central, and the Northeast regions of the country.

Pacific Southwest

The estimates of existing, incremental and the undeveloped hydropower potential for all states in the various regions of the country are presented in Table 2. In the Pacific Southwest region, the maximum physical potential for all sites exceeds 33,000 MW of capacity with an estimated average annual energy greater than 85,000 GWH. By comparison, these values represent about 6 percent of the total potential capacity and hydroelectric energy generation estimated for the entire United States.

Of the total capacity estimated for the region, 9,900 MW has been installed. The remainder (23,200 MW) is the maximum which could be developed by upgrading and expanding existing projects (6,000 MW), and by installing new hydroelectric power capacity at all potentially feasible, undeveloped sites (17,200 MW). Small-scale facilities account for less than 4 percent of the region's total installed capacity, but another 600 MW could be added to these and other small water resource projects. In addition, 600 MW could be installed at potentially feasible, undeveloped small-scale sites. The small-scale resource varies considerably, with the states of California and Utah having the largest potential for incremental development at existing projects in the Pacific Southwest region.

SUMMARY

Over 5,400 existing structures have been identified as having the physical potential to add hydropower plants or increase hydropower output thereby increasing our present hydropower capacity from a total of 64,000 MW to 158,000 MW and our energy from 280,000 GWH to 503,000 GWH. While the physical potential for this increase is clearly available, some of these projects will undoubtly not satisfy more detailed economical analysis as well as the institutional and environmental criteria which will be imposed upon them.

More than 4,500 undeveloped sites have been identified as having the physical potential to increase our capacity by 354,000 MW and our energy by 936,000 GWH. Many of these have less chance of acceptance than the modifications to the existing projects because of the more adverse environmental and institutional effects. Unfortunately, 47 percent (166,700 MW) of this undeveloped potential is located in Alaska where it would be economically difficult to transmit the power to the potential user.

For the nation's existing hydroelectric power sites, large-scale facilities, 25 MW and greater, account for approximately 92 percent of the capacity and energy generation, particularly those located in the Pacific Northwest and Southeast regions. Small-scale facilities account for about 5 percent of the nation's installed capacity and hydroelectric energy, but incremental development of other potentially feasible, existing small-scale projects could more than double this output by adding another 5,400 MW of capacity and 17,000 GWH of energy to the total. The distribution of the existing small-scale resource is extremely variable, but nearly all regions of the country have the potential for incremental energy development. The undeveloped potential for all sites and capacity ranges is also widely distributed, and appears greatest in the Pacific Northwest, Southeast and Mid-Continent regions of the country.

As stated earlier, these data are preliminary; the capacity and energy estimates represent the maximum physical hydroelectric potential which could be developed in each state and region. The incremental potential and that estimated for undeveloped sites do not include detailed consideration of the engineering, economic, financial and environmental constraints; nor do they include an assessment of the competitive use of water at existing impoundments, or consideration of the complex social, legal and institutional feasibility, all of which could preclude full development of the hydroelectric potential. Future investigations by the Corps of Engineers and other local, state and federal agencies will consider these factors in more detail, and further refine the actual feasibility of the most favorable sites in the inventory.

Publication of preliminary resource information involves the risk that errors and omissions may exist, and this inventory is no exception. At present, the Corps' inventory of hydroelectric power resources is an active screening tool; its primary function and widest utility is to present a viable list of existing and potentially feasible hydroelectric power sites, and to provide reasonably accurate estimates of the aggregrate state, regional and national development potential. For this purpose, users of the inventory are encouraged to assist in the continuing refinement of the data base by bringing errors and omissions to the attention of the appropriate Corps of Engineers Division or District office.

For futher information concerning specific hydroelectric power sites in any state or region of the country, a complete list of Corps' Division and District representatives for the National Hydropower Study is provided in Appendix III.

TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES
REGIONAL STATE SUMMARIES

VOL 1: PACIFIC NORTHWEST

STATE	EXISTING,[1] POTENTIAL INCREMENTAL[2] AND UNDEVELOPED[3] CAPACITY RANGES												TOTAL			
	Small-Scale (.05-15 MW)				Intermediate (15-25 MW)				Large-Scale (Greater Than 25 MW)				(All Sizes)			
	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total
Alaska																
No. of Sites	16	27	184	227	1	6	53	60	2	5	190	197	19	38	427	484
Cap. (MW)	37	86	1,053	1,176	15	120	1,014	1,149	77	212	164,709	164,998	129	418	166,775	167,322
Ener (GWH)	146	362	4,754	5,262	41	309	4,158	4,508	333	626	432,995	433,954	520	1,297	441,907	443,724
Idaho																
No. of Sites	24	80	68	172	1	5	39	45	15	24	213	252	40	109	320	469
Cap. (MW)	131	140	497	768	16	101	787	904	2,301	4,931	39,252	46,484	2,448	5,172	40,536	48,156
Ener (GWH)	818	435	1,904	3,157	142	195	2,218	2,555	11,130	5,522	82,398	99,050	12,089	6,152	86,520	104,761
Oregon																
No. of Sites	30	96	388	514	9	18	66	93	21	16	253	290	60	130	707	897
Cap. (MW)	105	231	1,390	1,726	157	349	1,291	1,797	6,591	13,609	34,771	54,971	6,853	14,190	37,453	58,496
Ener (GWH)	630	751	6,426	7,807	841	993	4,770	6,604	35,404	8,352	90,039	133,795	36,875	10,095	101,235	148,205
Washington																
No. of Sites	23	79	105	207	2	7	50	59	35	38	240	313	60	124	395	579
Cap. (MW)	157	185	762	1,104	46	130	977	1,153	17,172	13,167	20,977	51,316	17,374	13,482	22,716	53,572
Ener (GWH)	847	686	3,306	4,839	192	446	3,592	4,230	83,498	19,499	68,486	171,483	84,538	20,631	75,383	180,552
Region Total																
No. of Sites	93	282	745	1,120	13	36	208	257	73	83	896	1,052	135	401	1,849	2,429
Cap. (MW)	430	642	3,702	4,774	234	700	4,069	5,003	26,141	31,919	259,709	317,769	26,804	33,262	267,480	327,546
Ener (GWH)	2,441	2,234	16,390	21,065	1,216	1,943	14,738	17,897	130,365	33,999	673,918	838,282	134,022	38,175	705,045	877,242

TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES
REGIONAL STATE SUMMARIES

VOL 2: PACIFIC SOUTHWEST

STATE	EXISTING,[1] POTENTIAL INCREMENTAL[2] AND UNDEVELOPED[3] CAPACITY RANGES												TOTAL			
	Small-Scale (.05-15 MW)				Intermediate (15-25 MW)				Large-Scale (Greater Than 25 MW)				(All Sizes)			
	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total
Arizona																
No. of Sites	4	27	37	68	0	0	0	0	5	3	0	8	9	30	37	76
Cap. (MW)	32	34	13	79	0	0	0	0	1,374	122	0	1,496	1,406	156	13	1,575
Ener (GWH)	105	134	19	258	0	0	0	0	5,959	261	0	6,220	6,064	395	19	6,478
California																
No. of Sites	50	216	185	451	9	12	20	41	61	38	90	189	120	266	295	681
Cap. (MW)	298	365	474	1,137	171	242	387	800	7,167	4,840	12,192	24,199	7,636	5,447	13,053	26,136
Ener (GWH)	1,647	990	1,227	3,864	837	342	789	1,968	28,621	8,421	22,993	60,035	31,106	9,753	25,009	65,868
Hawaii																
No. of Sites	14	11	7	32	0	1	0	1	0	0	0	0	14	12	7	33
Cap. (MW)	19	12	30	61	0	19	0	19	0	0	0	0	19	31	30	80
Ener (GWH)	102	26	77	205	0	39	0	39	0	0	0	0	102	65	77	244
Nevada																
No. of Sites	5	21	19	45	0	1	2	3	1	0	0	1	6	22	21	49
Cap. (MW)	9	28	34	71	0	18	40	58	668	0	0	668	677	46	74	797
Ener (GWH)	68	55	97	220	0	26	116	142	2,056	0	0	2,056	2,124	82	213	2,419
Utah																
No. of Sites	38	79	24	141	0	3	4	7	2	2	20	24	40	84	48	172
Cap. (MW)	52	135	81	268	0	66	82	148	138	147	3,851	4,136	190	348	4,014	4,552
Ener (GWH)	254	364	220	838	0	143	154	297	675	47	8,884	9,606	929	554	9,259	10,742
Region Total																
No. of Sites	111	354	272	737	9	17	26	52	69	43	110	222	189	414	408	1,011
Cap. (MW)	410	574	632	1,616	171	345	509	1,025	9,347	5,109	16,043	30,499	9,928	6,028	17,184	33,140
Ener (GWH)	2,176	1,569	1,640	5,385	837	550	1,059	2,446	37,311	8,729	31,877	77,917	40,325	10,849	34,577	85,751

TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES
REGIONAL STATE SUMMARIES
VOL 3: MID-CONTINENT

STATE	EXISTING,[1] POTENTIAL INCREMENTAL[2] AND UNDEVELOPED[3] CAPACITY RANGES												TOTAL			
	Small-Scale (.05-15 MW)				Intermediate (15-25 MW)				Large-Scale (Greater Than 25 MW)				(All Sizes)			
	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total
Colorado																
No. of Sites	10	167	53	230	1	2	19	22	5	4	79	88	16	173	151	340
Cap. (MW)	49	229	177	455	22	39	419	480	330	1,325	6,477	8,132	401	1,593	7,072	9,066
Ener (GWH)	275	660	423	1,358	70	79	889	1,038	1,264	2,644	13,515	17,423	1,609	3,383	14,827	19,819
Kansas																
No. of Sites	1	64	184	249	0	1	0	1	0	3	6	9	1	68	190	259
Cap. (MW)	2	61	183	246	0	18	0	18	0	141	296	437	2	220	480	702
Ener (GWH)	10	117	382	509	0	38	0	38	0	229	508	737	10	384	890	1,284
Montana																
No. of Sites	7	69	43	119	1	2	10	13	12	17	81	110	20	88	134	242
Cap. (MW)	29	140	176	345	17	43	189	249	2,372	2,148	14,948	19,468	2,418	2,332	15,313	20,063
Ener (GWH)	642	350	500	1,492	111	83	528	722	8,969	4,761	38,321	52,051	9,722	5,195	39,348	54,265
Nebraska																
No. of Sites	11	39	19	69	3	1	4	8	2	1	0	3	16	41	23	80
Cap. (MW)	16	37	30	83	54	21	82	157	66	37	0	103	136	94	112	342
Ener (GWH)	50	121	139	310	300	43	320	663	216	160	0	376	566	323	459	1,348
New Mexico																
No. of Sites	0	26	44	70	1	1	0	2	0	4	3	7	1	31	47	79
Cap. (MW)	0	55	46	101	24	24	0	48	0	207	359	566	24	286	404	714
Ener (GWH)	0	144	120	264	96	49	0	145	0	469	1,101	1,570	96	662	1,221	1,979
N. Dakota																
No. of Sites	0	44	2	46	0	0	0	0	1	1	0	2	1	45	2	48
Cap. (MW)	0	21	10	31	0	0	0	0	430	303	0	733	430	324	10	764
Ener (GWH)	0	45	18	63	0	0	0	0	2,400	568	0	2,968	2,400	612	18	3,030

TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES
REGIONAL STATE SUMMARIES
VOL 3: MID-CONTINENT (CONTINUED)

STATE	EXISTING,[1] POTENTIAL INCREMENTAL[2] AND UNDEVELOPED[3] CAPACITY RANGES												TOTAL			
	Small-Scale (.05-15 MW)				Intermediate (15-25 MW)				Large-Scale (Greater Than 25 MW)				(All Sizes)			
	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total
Oklahoma																
No. of Sites	0	98	170	268	0	4	2	6	11	13	12	36	11	115	184	310
Cap. (MW)	0	49	178	227	0	87	44	131	1,029	1,494	797	3,320	1,029	1,630	1,019	3,678
Ener (GWH)	0	86	346	432	0	133	77	210	2,350	1,991	1,270	5,611	2,350	2,210	1,693	6,253
S. Dakota																
No. of Sites	8	23	4	35	0	0	0	0	4	3	1	8	12	26	5	43
Cap. (MW)	17	22	12	51	0	0	0	0	1,483	397	25	1,905	1,500	420	37	1,957
Ener (GWH)	69	65	33	167	0	0	0	0	6,056	832	38	6,926	6,125	898	72	7,095
Texas																
No. of Sites	9	196	129	334	2	1	8	11	5	4	22	31	16	201	159	376
Cap. (MW)	52	165	288	505	45	22	167	234	225	185	1,420	1,830	321	372	1,875	2,568
Ener (GWH)	212	372	854	1,438	149	7	457	613	542	240	3,149	3,931	903	619	4,461	5,983
Wyoming																
No. of Sites	8	53	18	79	3	3	20	26	4	9	30	43	15	65	68	148
Cap. (MW)	19	71	82	172	56	63	410	529	152	352	3,054	3,558	227	487	3,546	4,260
Ener (GWH)	114	178	259	551	280	92	871	1,243	606	587	6,372	7,565	1,000	858	7,502	9,360
Region Total																
No. of Sites	54	779	666	1,499	11	15	63	89	44	59	234	337	109	853	963	1,925
Cap. (MW)	184	850	1,182	2,216	218	317	1,311	1,846	6,087	6,589	27,376	40,052	6,488	7,758	29,868	44,114
Ener (GWH)	1,372	2,138	3,074	6,584	1,006	524	3,142	4,672	22,403	12,481	64,274	99,158	24,781	15,144	70,491	110,416

TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES
REGIONAL STATE SUMMARIES
VOL 4: LAKE CENTRAL

STATE	EXISTING,[1] POTENTIAL INCREMENTAL[2] AND UNDEVELOPED[3] CAPACITY RANGES												TOTAL			
	Small-Scale (.05-15 MW)				Intermediate (15-25 MW)				Large-Scale (Greater Than 25 MW)				(All Sizes)			
	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total
Illinois																
No. of Sites	16	39	230	285	0	8	0	8	1	7	2	10	17	54	232	303
Cap. (MW)	100	52	169	321	0	145	0	145	32	533	89	654	132	730	259	1121
Ener (GWH)	569	109	411	1,089	0	347	0	347	15	1,750	178	1943	584	2,206	589	3,379
Indiana																
No. of Sites	4	30	45	79	0	2	0	2	0	0	3	3	4	32	48	84
Cap. (MW)	28	58	61	147	0	37	0	37	0	0	383	383	28	96	444	568
Ener (GWH)	98	189	162	449	0	90	0	90	0	0	816	816	98	279	978	1,355
Iowa																
No. of Sites	3	25	37	65	0	1	0	1	1	12	3	16	4	38	40	82
Cap. (MW)	7	28	67	102	0	21	0	21	128	1,068	190	1,386	135	1,117	257	1,509
Ener (GWH)	36	81	200	317	0	39	0	39	805	3,468	408	4,681	841	3,588	608	5,037
Kentucky																
No. of Sites	0	52	23	75	0	2	0	2	4	30	10	44	4	84	33	121
Cap. (MW)	0	64	51	115	0	48	0	48	636	9,159	3,985	13,780	636	9,271	4,036	13,943
Ener (GWH)	0	183	121	304	0	88	0	88	2,259	24,547	11,697	38,503	2,259	24,818	11,819	38,896
Michigan																
No. of Sites	86	136	0	222	3	6	0	9	3	4	0	7	92	146	0	238
Cap. (MW)	283	303	0	586	52	121	0	173	151	709	0	860	486	1,133	0	1,619
Ener (GWH)	1,145	1,238	0	2,383	312	399	0	711	438	2,735	0	3,173	1,895	4,371	0	6,266
Minnesota																
No. of Sites	18	97	45	160	0	5	6	11	1	12	17	30	19	114	68	201
Cap. (MW)	91	63	146	300	0	100	125	225	67	825	755	1,647	158	989	1,027	2,174
Ener (GWH)	536	191	492	1,219	0	288	314	602	318	1,868	1,602	3,788	854	2,346	2,408	5,608

TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES
REGIONAL STATE SUMMARIES
VOL 4: LAKE CENTRAL (Continued)

STATE	EXISTING,[1] POTENTIAL INCREMENTAL[2] AND UNDEVELOPED[3] CAPACITY RANGES												TOTAL			
	Small-Scale (.05-15 MW)				Intermediate (15-25 MW)				Large-Scale (Greater Than 25 MW)				(All Sizes)			
	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total
Missouri																
No. of Sites	2	31	93	126	1	2	8	11	4	9	17	30	7	42	118	167
Cap. (MW)	5	22	227	254	16	45	154	215	577	1,301	868	2,746	598	1,368	1,249	3,215
Ener (GWH)	17	61	643	721	94	88	357	539	1,272	4,154	1,739	7,165	1,383	4,303	2,740	8,426
Ohio																
No. of Sites	0	68	18	86	0	7	0	7	0	2	1	3	0	77	19	96
Cap. (MW)	0	105	47	152	0	153	0	153	0	56	43	99	0	314	90	404
Ener (GWH)	0	308	131	439	0	323	0	323	0	134	70	204	0	768	201	969
Wisconsin																
No. of Sites	75	123	60	258	6	10	2	18	3	12	6	21	84	145	68	297
Cap. (MW)	220	219	158	597	112	205	40	357	98	387	239	724	429	812	437	1,678
Ener (GWH)	1,038	768	699	2,505	534	462	92	1,088	368	858	870	2,096	1,940	2,087	1,661	5,688
Region Total																
No. of Sites	204	601	551	1,356	10	43	16	69	17	88	59	164	231	732	626	1,589
Cap. (MW)	734	914	926	2,574	180	875	319	1,374	1,689	14,038	6,552	22,279	2,602	15,830	7,799	26,231
Ener (GWH)	3,439	3,128	2,859	9,426	940	2,124	763	3,827	5,475	39,514	17,380	62,369	9,854	44,766	21,004	75,624

TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES
REGIONAL STATE SUMMARIES
VOL 5: SOUTHEAST

STATE	EXISTING,[1] POTENTIAL INCREMENTAL[2] AND UNDEVELOPED[3] CAPACITY RANGES												TOTAL			
	Small-Scale (.05-15 MW)				Intermediate (15-25 MW)				Large-Scale (Greater Than 25 MW)				(All Sizes)			
	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total
Alabama																
No. of Sites	1	52	8	61	0	2	5	7	15	19	8	42	16	73	21	110
Cap. (MW)	2	70	49	121	0	41	108	149	2,269	4,010	424	6,703	2,271	4,121	581	6,973
Ener (GWH)	6	190	137	333	0	91	244	335	9,710	7,141	995	17,846	9,716	7,422	1,376	18,514
Arkansas																
No. of Sites	1	89	50	140	0	3	11	14	10	13	17	40	11	105	78	194
Cap. (MW)	11	51	143	205	0	67	218	285	1,069	2,768	5,874	9,711	1,080	2,886	6,235	10,201
Ener (GWH)	43	145	412	600	0	105	393	498	2,756	5,239	19,824	27,819	2,799	5,489	20,629	28,917
Florida																
No. of Sites	1	17	2	20	0	0	1	1	1	0	0	1	2	17	3	22
Cap. (MW)	0	45	10	55	0	0	20	20	30	0	0	30	30	45	30	105
Ener (GWH)	0	151	30	181	0	0	66	66	232	0	0	232	232	151	96	479
Georgia																
No. of Sites	5	61	31	97	6	1	9	16	15	6	33	54	26	68	73	167
Cap. (MW)	20	79	182	281	106	23	188	317	1,924	304	1,690	3,918	2,050	406	2,060	4,516
Ener (GWH)	87	316	538	941	311	52	518	881	3,825	501	4,892	9,218	4,223	869	5,948	11,040
Louisiana																
No. of Sites	0	19	5	24	0	0	0	0	1	4	6	11	1	23	11	35
Cap. (MW)	0	38	17	55	0	0	0	0	81	253	2,336	2,670	81	291	2,353	2,725
Ener (GWH)	0	110	55	165	0	0	0	0	215	618	7,141	7,974	215	728	7,196	8,139
Mississippi																
No. of Sites	0	50	38	88	0	1	1	2	0	2	1	3	0	53	40	93
Cap. (MW)	0	20	51	71	0	16	23	39	0	97	45	142	0	133	119	252
Ener (GWH)	0	71	137	208	0	65	54	119	0	192	87	279	0	328	278	606

TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES
REGIONAL STATE SUMMARIES
VOL 5: SOUTHEAST (Continued)

STATE	EXISTING,[1] POTENTIAL INCREMENTAL[2] AND UNDEVELOPED[3] CAPACITY RANGES												TOTAL			
	Small-Scale (.05-15 MW)				Intermediate (15-25 MW)				Large-Scale (Greater Than 25 MW)				(All Sizes)			
	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total
North Carolina																
No. of Sites	53	117	28	198	5	5	12	22	18	9	22	49	76	131	62	269
Cap. (MW)	72	162	160	394	103	86	259	448	1,762	405	1,134	3,301	1,937	653	1,553	4,143
Ener (GWH)	248	429	546	1,223	396	244	744	1,384	5,958	760	3,387	10,105	6,602	1,433	4,677	12,712
Puerto Rico																
No. of Sites	5	10	6	21	2	3	0	5	0	0	0	0	7	13	6	26
Cap. (MW)	28	37	13	78	36	55	0	91	0	0	0	0	64	92	13	169
Ener (GWH)	64	48	63	175	54	78	0	132	0	0	0	0	118	126	63	307
South Carolina																
No. of Sites	29	49	5	83	4	3	4	11	10	13	13	36	43	65	22	130
Cap. (MW)	88	61	34	183	76	54	80	210	1,368	513	1,061	2,942	1,532	628	1,175	3,335
Ener (GWH)	390	354	130	874	233	145	280	658	2,117	1,201	3,093	6,411	2,740	1,700	3,503	7,943
Tennessee																
No. of Sites	1	31	9	41	2	4	2	8	24	14	23	61	27	49	34	110
Cap. (MW)	11	47	70	128	39	80	45	164	2,046	3,142	7,149	12,337	2,096	3,269	7,264	12,629
Ener (GWH)	33	57	207	297	111	56	145	312	11,064	5,113	25,004	41,181	11,208	5,226	25,356	41,790
Virginia																
No. of Sites	14	71	83	168	0	7	9	16	4	7	23	34	18	85	115	218
Cap. (MW)	53	94	348	495	0	137	173	310	633	266	1,256	2,155	686	497	1,777	2,960
Emer (GWH)	129	318	1,094	1,541	0	349	419	768	532	701	3,037	4,270	661	1,368	4,550	6579
Region Total																
No. of Sites	110	566	265	941	19	29	54	102	98	87	146	331	227	682	465	1,374
Cap. (MW)	285	704	1,077	2,066	360	559	1,114	2,033	11,182	11,758	20,969	43,909	11,827	13,021	23,160	48,008
Emer (GWH)	1,000	2,189	3,349	6,538	1,105	1,185	2,863	5,153	36,409	21,466	67,460	125,335	38,514	24,840	73,672	137,026

TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES
REGIONAL STATE SUMMARIES
VOL 6: NORTHEAST

STATE	EXISTING,[1] POTENTIAL INCREMENTAL[2] AND UNDEVELOPED[3] CAPACITY RANGES												TOTAL			
	Small-Scale (.05-15 MW)				Intermediate (15-25 MW)				Large-Scale (Greater Than 25 MW)				(All Sizes)			
	Exist	Increm	Undev	Total	Exist	Increm	Undev	Total	Exist	Increm	Undev	Total	Exist	Increm	Undev	Total
Connecticut*																
No. of Sites	13	205	NA	218	0	0	NA	0	2	0	NA	2	15	205	NA	220
Cap. (MW)	36	88	NA	124	0	0	NA	0	68	0	NA	68	103	88	NA	191
Ener (GWH)	156	308	NA	464	0	0	NA	0	216	0	NA	216	372	308	NA	680
Delaware																
No. of Sites	0	0	2	2	0	0	0	0	0	0	0	0	0	0	2	2
Cap. (MW)	0	0	2	2	0	0	0	0	0	0	0	0	0	0	2	2
Ener (GWH)	0	0	6	6	0	0	0	0	0	0	0	0	0	0	6	6
Maine*																
No. of Sites	33	469	NA	502	3	1	NA	4	2	2	NA	4	38	472	NA	510
Cap. (MW)	147	284	NA	431	58	20	NA	78	148	64	NA	212	354	369	NA	723
Ener (GWH)	881	992	NA	1,873	388	67	NA	455	507	226	NA	733	1,776	1,285	NA	3,061
Maryland																
No. of Sites	2	15	7	24	0	1	0	1	1	4	2	7	3	20	9	32
Cap. (MW)	2	18	20	40	0	19	0	19	474	496	232	1,202	476	532	252	1,260
Ener (GWH)	14	50	58	122	0	41	0	41	1,719	650	550	2,919	1,733	741	608	3,082
Massachusetts*																
No. of Sites	23	301	NA	324	2	0	NA	2	4	0	NA	4	29	301	NA	330
Cap. (MW)	73	115	NA	188	33	0	NA	33	131	0	NA	131	237	115	NA	352
Ener (GWH)	313	403	NA	716	176	0	NA	176	154	0	NA	154	643	403	NA	1,045
New Hampshire*																
No. of Sites	24	541	NA	565	2	1	NA	3	2	0	NA	2	28	542	NA	570
Cap. (MW)	74	238	NA	312	31	23	NA	54	281	0	NA	281	386	261	NA	647
Ener (GWH)	359	836	NA	1,195	180	82	NA	262	558	0	NA	558	1,097	918	NA	2,015
New Jersey																
No. of Sites	2	36	0	38	0	1	0	1	0	0	5	5	2	37	5	44
Cap. (MW)	6	21	0	27	0	23	0	23	0	0	647	647	6	40	647	693
Ener (GWH)	18	58	0	76	0	56	0	56	0	0	1,821	1,821	18	114	1,821	1,953

TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES
REGIONAL STATE SUMMARIES
VOL 6: NORTHEAST (CONTINUED)

STATE	EXISTING,[1] POTENTIAL INCREMENTAL[2] AND UNDEVELOPED[3] CAPACITY RANGES												TOTAL			
	Small-Scale (.05-15 MW)				Intermediate (15-25 MW)				Large-Scale (Greater Than 25 MW)				(All Sizes)			
	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total	Exist	Incre	Undev	Total
New York																
No. of Sites	123	251	43	417	11	15	11	37	9	40	11	60	143	306	65	514
Cap. (MW)	422	657	148	1,227	216	309	226	751	3,103	11,491	2,754	17,348	3,741	12,458	3,127	19,326
Ener (GWH)	2,155	2,250	539	4,944	799	976	563	2,338	20,581	70,227	17,211	108,019	23,535	73,453	18,313	115,301
Pennsylvania																
No. of Sites	0	138	58	196	0	6	4	10	4	19	26	49	4	163	88	255
Cap. (MW)	0	158	189	347	0	107	79	186	403	1,466	2,977	4,846	403	1,731	3,245	5,379
Ener (GWH)	0	452	567	1,019	0	252	170	422	1,681	3,618	6,969	12,268	1,681	4,322	7,706	13,709
Rhode Island*																
No. of Sites	2	105	NA	107	0	0	NA	0	0	0	NA	0	2	105	NA	107
Cap. (MW)	2	40	NA	42	0	0	NA	0	0	0	NA	0	2	40	NA	42
Ener (GWH)	6	139	NA	145	0	0	NA	0	0	0	NA	0	6	139	NA	145
Vermont*																
No. of Sites	44	155	NA	199	1	0	NA	1	2	0	NA	2	47	155	NA	202
Cap. (MW)	106	134	NA	240	16	0	NA	16	74	0	NA	74	197	134	NA	331
Ener GWH)	436	472	NA	908	70	0	NA	70	317	0	NA	317	822	472	NA	1,294
W. Virginia																
No. of Sites	4	15	33	52	0	1	5	6	1	20	14	35	5	36	52	93
Cap. (MW)	46	18	132	196	0	23	95	118	102	2,929	958	3,989	148	2,969	1,184	4,301
Ener (GWH)	282	49	361	692	0	59	205	264	543	7,177	2,059	9,779	825	7,285	2,624	10,734
Region Total																
No. of Sites	270	2,231	143	2,644	19	26	20	65	27	85	58	170	316	2,342	221	2,879
Cap. (MW)	914	1,771	491	3,176	354	524	400	1,278	4,784	16,446	7,568	28,798	6,053	18,737	8,457	33,250
Ener (GWH)	4,620	6,009	1,531	12,160	1,613	1,533	938	4,084	26,276	81,898	28,610	136,784	32,508	89,440	31,078	153,025

[1]Existing hydroelectric power facilities currently generating power.

[2]Existing dams and/or other water resource projects with the potential for new and/or additional hydroelectric capacity.

[3]Undeveloped sites where no dam or other engineering structure presently exists.

*Data on undeveloped sites in the New England states are not available (NA).

APPENDIX I

U.S. ARMY CORPS OF ENGINEERS

SUMMARY SHEET AND SITE SPECIFIC

LISTING OF HYDROELECTRIC POWER RESOURCES

BY STATE AND COUNTY

Arizona, California, Hawaii, Nevada and Utah

STATE OF ARIZONA

PHYSICAL POTENTIAL FOR ADDITIONAL HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF ARIZONA

HEAD (FT)		.05 MW - 15 MW				15 MW - 25 MW				GREATER THAN 25 MW				TOTAL			
		1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
0-19	NUMBER	0	2	0	2	0	0	0	0	0	1	0	1	0	3	0	3
	CAPCTY	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	44.8	0.0	44.8	0.0	45.3	0.0	45.3
	ENERGY	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	194	0.0	194	0.0	194	0.0	194
20-49	NUMBER	0	7	3	10	0	0	0	0	0	0	0	0	0	7	3	10
	CAPCTY	0.0	0.9	0.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	1.4
	ENERGY	0.0	2.4	0.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.6	3.0
50-99	NUMBER	1	12	20	32	0	0	0	0	1	1	0	1	2	13	20	33
	CAPCTY	10.3	3.3	4.8	8.1	0.0	0.0	0.0	0.0	120	43.0	0.0	43.0	130	46.3	4.8	51.2
	ENERGY	43.0	4.7	8.7	13.5	0.0	0.0	0.0	0.0	660	31.0	0.0	31.0	703	35.8	8.7	44.6
>100	NUMBER	3	6	14	20	0	0	0	0	4	1	0	1	7	7	14	21
	CAPCTY	21.6	28.9	7.4	36.3	0.0	0.0	0.0	0.0	1254	34.0	0.0	34.0	1276	63.0	7.4	70.4
	ENERGY	62.4	126	9.7	136	0.0	0.0	0.0	0.0	5299	36.1	0.0	36.1	5362	162	9.7	172
TOTAL	NUMBER	4	27	37	64	0	0	0	0	5	3	0	3	9	30	37	67
	CAPCTY	32.0	33.7	12.7	46.5	0.0	0.0	0.0	0.0	1374	122	0.0	122	1406	156	12.7	168
	ENERGY	105	134	19.1	153	0.0	0.0	0.0	0.0	5959	261	0.0	261	6064	395	19.1	414

POTENTIAL INCREMENTAL CAPACITY RANGES

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT
COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS
COLUMN 3 = UNDEVELOPED POTENTIAL
COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)
CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)
ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PRELIMINARY ESTIMATES (07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF ARIZONA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: APACHE					FERC POWER SUPPLY AREA 48		FERC REGIONAL OFFICE CODE SF					
INDIAN HILL	AZU1029	LITTLE COLORADO	O	ARIZ GAME +	34 31,8	960,0	27,*	31,*	42,*	4,*U	0, *U	0,
	SPL0001			FISH	109 21,6					*T	,27*T	,4
LYMAN LAKE	AZ00004	LITTLE COLORADO	IR	LYMAN WATER	34 21,9	790,0	22,*	59,*	80,*	30,*E	0, *E	0,
	SPL0002			COMPANY	109 23,0					*N	,42*N	,6
RESERVATION (LAKE)	AZ10425	RESERVATION CREE	R	WHITE MTN AP	33 50,4	7,0	4,*	35,*	47,*	6,*E	0, *E	0,
	SPL0003	K		ACHE TRIBE	109 30,0					*N	,05*N	,1
SUNRISE LAKE	AZ10432	TR WHITE RIVER	R	WHITE MTN AP	34 ,6	8,0	4,*	33,*	45,*	15,*E	0, *E	0,
	SPL0004			ACHE TRIBE	109 33,8					*N	,06*N	,1
COUNTY NAME: COCHISE					FERC POWER SUPPLY AREA 48		FERC REGIONAL OFFICE CODE SF					
BABOCOMARI	AZU1017	BABOCOMARI	O	ARIZ GAME +	31 41,8	283,0	11,*	74,*	100,*	13,*U	0, *U	0,
	SPL0005			FISH	110 12,0					*T	,16*T	,4
EMERALD	AZU1018	SAN PEDRO	O	ARIZ GAME +	31 42,0	31,0	9,*	41,*	56,*	2,*U	0, *U	0,
	SPL0006			FISH	110 6,0					*T	,14*T	,2
COUNTY NAME: COCONINO					FERC POWER SUPPLY AREA 48		FERC REGIONAL OFFICE CODE SF					
JACKS CANYON	AZU0005	JACKS CANYON	O	ARIZ GAME +	34 42,0	99,0	23,*	96,*	130,*	3,*U	0, *U	0,
	SPL0007			FISH	111 6,0					*T	,51*T	,7
CHEVELON	AZU0006	CHEVELON	O	ARIZ GAME +	34 30,3	88,0	21,*	129,*	175,*	35,*U	0, *U	0,
	SPL0008			FISH	110 49,7					*T	,58*T	,8
BEAVER CANYON	AZU1027	BEAVER	O	ARIZ GAME +	34 24,5	4,0	2,*	81,*	110,*	6,*U	0, *U	0,
	SPL0009			FISH	111 0,					*T	,06*T	,1
PINE FLAT	AZU1030	BEAR CANYON	O	ARIZ GAME +	35 0,	30,0	9,*	52,*	70,*	26,*U	0, *U	0,
	SPL0010			FISH	112 13,6					*T	,19*T	,2

LEGEND

(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID, BOTTOM LINE DEFINES (U,S,A,C,E,) OFFICE AND SITE ID.
(2) - PROJECT PURPOSE: I=IRRIGATION, H=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=WATER SUPPLY, R=RECREATION,
(2) D=DEBRIS CONTROL, P=FARM POND, O=OTHER
(3) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
(3) - U=INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF ARIZONA

(07/09/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: **COCONINO**					FERC POWER SUPPLY AREA 48		FERC REGIONAL OFFICE CODE SF					
LOWER LAKE MARY	AZ00015	WALNUT CREEK	SR	CITY OF FLAG	35 6,7	119,0	27,*	38,*	45,*	9,*E	0, *E	0,
	SPL0011			STAFF	111 35,0					*N	,17*N	,4
BLUE RIDGE RESER	AZ00021	EAST CLEAR CREEK	OR	PHELPS DODGE	34 33,3	71,0	11,*	130,*	167,*	20,*E	2,40*E	9,8
VOIR	SPL0012			CORPORATION	111 11,0					*N	0, *N	0,
CHEVELON CANYON	AZ00046	CHEVELON CREEK	R	ARIZ, GAME **	34 30,7	88,0	21,*	80,*	108,*	10,*E	0, *E	0,
LAKE	SPL0013			FISH DEPT,	110 49,4					*N	,75*N	,7
WILLOW SPRINGS L	AZ00088	WILLOW SPRINGS	R	ARIZONA GAME	34 18,4	5,0	1,*	62,*	80,*	5,*E	0, *E	0,
AKE	SPL0014			+ FISH	110 52,6					*N	,06*N	,1
(LAKE POWELL) GL	AZ10307	COLORADO RIVER	HCSRO	DOI USBR	36 56,2	111700,0	17850,*	480,*	579,*	28820,*E	950,00*E	4000,0
EN CANYON	SPL0015				111 29,0					*N	0, *N	0,
COUNTY NAME: **GILA**					FERC POWER SUPPLY AREA 48		FERC REGIONAL OFFICE CODE SF					
HOUSTON	AZU1013	HOUSTON CR	O	ARIZ GAME +	34 12,8	34,0	5,*	111,*	150,*	6,*U	0, *U	0,
	SPL0016			FISH	111 14,8					*T	,10*T	,2
SPRING CREEK	AZU1014	SPRING CREEK	O	ARIZ GAME +	34 7,3	150,0	35,*	111,*	150,*	36,*U	0, *U	0,
	SPL0017			FISH	111 6,0					*T	1,67*T	1,7
MINERAL CREEK AR	AZ00006	MINERAL CREEK	C	KENNECOTT CO	33 13,2	92,0	28,*	133,*	162,*	11,*E	0, *E	0,
CH DAM	SPL0018			PPER CORP,	110 59,6					*N	1,32*N	1,8
BARTLETT RESERVO	AZ10306	VERDE RIVER	IR	DOI USBR	33 49,1	6185,0	500,*	160,*	194,*	195,*E	0, *E	0,
IR	SPL0019				111 37,9					*N	11,99*N	35,7
THEODORE ROOSEVE	AZ10317	SALT RIVER	OHR	DOI USBR	33 40,0	5760,0	850,*	199,*	244,*	1555,*E	36,02*E	96,1
LT LAKE	SPL0020				111 10,0					*N	34,07*N	36,1

LEGEND

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(2) = PROJECT PURPOSE: I=IRRIGATION, H=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=WATER SUPPLY, R=RECREATION,
(2) D=DEBRIS CONTROL, P=FARM POND, O=OTHER
(3) = E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
(3) = U=INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF ARIZONA

PROJECT NAME.	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: GRAHAM					FERC POWER SUPPLY AREA 48		FERC REGIONAL OFFICE CODE SF					
RATTLESNAKE	AZU1015	RATTLESNAKE	O	ARIZ GAME +	32 42,6	40,0	12,*	103,*	140,*	8,*U	0, *U	0,
	SPL0021			FISH	110 18,0					*T	,46*T	,6
STOCKTON WASH RE	AZ00067	STOCKTON WASH	C	GRAHAM COUNT*	32 47,8	153,0	100,*	29,*	38,*	9,*E	0, *E	0,
TARDING DAM	SPL0022			Y	109 39,1					*N	,32*N	1,4
COUNTY NAME: GREENLEE					FERC POWER SUPPLY AREA 48		FERC REGIONAL OFFICE CODE SF					
BLUE	AZU1016	BLUE RIVER	O	ARIZ GAME +	33 42,0	300,0	8,*	74,*	100,*	6,*U	0, *U	0,
	SPL0023			FISH	109 6,0					*T	,20*T	,3
COUNTY NAME: MARICOPA					FERC POWER SUPPLY AREA 48		FERC REGIONAL OFFICE CODE SF					
(LAKE PLEASANT)	AZ00001	AGUA FRIA RIVER	IR	MCMWCD '1	33 51,2	1459,0	60,*	130,*	171,*	185,*E	0, *E	0,
WADDELL	SPL0024				112 16,1					*N	1,35*N	1,3
CAVE CREEK DAM	AZ00002	CAVE CREEK	C	SRVWUA	33 43,5	161,0	5,*	41,*	53,*	14,*E	0, *E	0,
	SPL0025				112 2,8					*N	,06*N	,1
GILLESPIE RESERV	AZ00106	GILA RIVER	I	PAINTED ROCK*	33 13,8	49650,0	160,*	16,*	21,*	260,*E	0, *E	0,
OIR	SPL0026			DEV, CO,	112 46,1					*N	,41*N	,4
(APACHE LAKE) HO	AZ10311	SALT RIVER	IHR	DOI USBR	33 36,0	5870,0	850,*	254,*	272,*	261,*E	34,16*E	25,0
RSE MESA	SPL0027				111 21,0					*N	5,60*N	60,4
(CANYON LAKE) HO	AZ10313	SALT RIVER	IHSR	DOI USBR	33 33,0	6030,0	800,*	121,*	142,*	58,*E	9,20*E	46,0
RMON FLAT	SPL0028				111 26,0					*N	0, *N	0,
(SAHUARO LAKE) S	AZ10318	SALT RIVER	IHOR	DOI USBR	33 34,0	6211,0	1000,*	97,*	115,*	71,*E	10,40*E	43,0
TEWART MOUNTAIN	SPL0029				111 32,0					*N	0, *N	0,

LEGEND

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PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF ARIZONA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: MOHAVE					FERC POWER SUPPLY AREA 48			FERC REGIONAL OFFICE CODE SF				
CAANON GAP	AZU1022	BULL RUSH	O	ARIZ GAME +	36 43.0	60.0	21.	90.	120.	7.U	0. U	0.
	SPL0030			FISH	112 48.4					T	.30 T	1.1
TROUT CREEK	AZU1023	TROUT CREEK	O	ARIZ GAME +	35 0.	607.0	14.	277.	375.	28.U	0. U	0.
	SPL0031			FISH	113 20.2					T	.53 T	.6
BURRO CREEK	AZU1024	BURRO CREEK	O	ARIZ GAME +	34 33.5	638.0	14.	52.	70.	12.U	0. U	0.
	SPL0032			FISH	113 29.9					T	.10 T	.1
(LAKE MOJAVE) DA	AZ10309	COLORADO RIVER	HCRO	DOI USBR	35 11.8	173300.0	0.	114.	134.	1618.E	234.00 E	1178.0
VIS	SPL5000				114 34.1					N	0. N	0.
COUNTY NAME: NAVAJO					FERC POWER SUPPLY AREA 48			FERC REGIONAL OFFICE CODE SF				
DIPPING VAT	AZU1028	SILVER CREEK	O	ARIZ GAME +	34 24.0	140.0	93.	50.	68.	4.U	0. U	0.
	SPL0033			FISH	110 0.					T	1.13 T	2.9
LONE PINE	AZ00012	SHOW LOW CREEK	CI	SHOW LOW SIL	34 21.1	152.0	25.	76.	97.	14.E	0. E	0.
	SPL0034			VER CREEK WC	110 5.4					N	.56 N	.8
(WHITE MOUNTAIN	AZ00013	SILVER CREEK	I	SNOWFLAKE +	34 21.9	170.0	19.	50.	59.	5.E	0. E	0.
LAKE) DAGGS	SPL0035			TAYLOR IRR.	110 0.					N	.27 N	.4
(SHOW LOW LAKE)	AZ00023	SHOW LOW CREEK	SRO	PHELPS DODGE	34 11.7	73.0	12.	60.	75.	8.E	0. E	0.
JAQUES DAM	SPL0036			CORP.	110 .2					N	.21 N	.3
BLACK CANYON LAK	AZ00042	WEST FORK OF BLA	RD	ARIZ. GAME +	34 19.8	6.0	3.	51.	68.	2.E	0. E	0.
E	SPL0037	CK CANYON CRK		FISH DEPT.	110 42.0					N	.06 N	.1
FOOL HOLLOW LAKE	AZ00051	SHOWLOW CREEK	R	ARIZ. GAME +	34 16.9	36.0	24.	64.	87.	4.E	0. E	0.
	SPL0038			FISH DEPT.	110 3.3					N	.47 N	1.0

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PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF ARIZONA

(07/09/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: **PIMA**					FERC POWER SUPPLY AREA 48			FERC REGIONAL OFFICE CODE SF				
BUSHMAN CANYON	AZU0008	BUSHMAN	O	ARIZ GAME +	32 24,2	39,0	12,	107,	145,	25,U	0, U	0,
	SPL0039			FISH	110 32,5					T	,47T	,6
TANQUE VERDE	AZU1000	TANQUE VERDE	O	ARIZ GAME +	32 15,4	39,0	12,	207,	280,	35,U	0, U	0,
	SPL0040			FISH	110 39,2					T	,90T	1,2
TANQUE VERDE	AZU1001	TANQUE VERDE	O	ARIZ GAME +	32 15,6	26,0	8,	103,	140,	20,U	0, U	0,
	SPL0041			FISH	110 36,0					T	,30T	,4
CIENAGA	AZU1002	CIENAGA CR	O	ARIZ GAME +	31 6,0	215,0	9,	100,	135,	19,U	0, U	0,
	SPL0042			FISH	110 33,5					T	,16T	,4
SABINO	AZU1045	SABINO	O	ARIZ GAME +	32 21,4	31,0	9,	185,	250,	10,U	0, U	0,
	SPL0043			FISH	110 46,5					T	,64T	,8
COUNTY NAME: **PINAL**					FERC POWER SUPPLY AREA 48			FERC REGIONAL OFFICE CODE SF				
JERKY SPRING	AZU1042	JERKY SPRING	O	ARIZ GAME +	33 26,4	12,0	4,	118,	160,	8,U	0, U	0,
	SPL0044			FISH	111 5,8					T	,16T	,2
TORTOLITA	AZU1044	DURHAM	O	ARIZ GAME +	32 42,0	50,0	15,	52,	70,	5,U	0, U	0,
	SPL0045			FISH	111 6,0					T	,29T	,4
(LAGO DEL ORO) GOLDER	AZ00003	CANADA DEL ORO	RO	RAIL N RANCH CORPORATION	32 32,9	48,0	15,	101,	127,	11,E	0, E	0,
	SPL0046				110 51,0					N	,54N	,7
FLORENCE RETARDING DAM	AZ00027	TR-GILA RIVER	U	F,A,F,C,D,	33 5,4	70,0	21,	20,	26,	6,E	0, E	0,
	SPL0047				111 17,5					N	,13N	,2
POWERLINE RETARDING DAM	AZ00082	WEEK,S WASH AND SIPHON DRAW	C	MARICOPA COUNTY	33 21,9	50,0	15,	28,	35,	5,E	0, E	0,
	SPL0048				111 32,9					N	,16N	,2
MAGMA DAM	AZ00083	MAGMA WASH	C	MAGMA FLOOD CON, DIS,	33 9,3	62,0	19,	18,	24,	8,E	0, E	0,
	SPL0049				111 25,2					N	,10N	,1

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PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF ARIZONA

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COUNTY NAME: PINAL						FERC POWER SUPPLY AREA 48				FERC REGIONAL OFFICE CODE SF		
(SAN CARLOS RESE	AZ10436	GILA	IH	DOI BIA	33 12.0	12886.0	269.	152.	194.	1201.*E	10.00*E	6.6
RVOIR) COOLIDGE	SPL0050				110 31.0					*N	0. *N	0.
COUNTY NAME: SANTA CRUZ						FERC POWER SUPPLY AREA 48				FERC REGIONAL OFFICE CODE SF		
JOSEPHINE	AZU1005	JOSEPHINE	0	ARIZ GAME +	31 34.5	29.0	9.	100.	135.	12.*U	0. *U	0.
	SPL0051			FISH	110 57.9					*T	.32*T	.4
TEMPORAL	AZU1007	TEMPORAL	0	ARIZ GAME +	31 35.2	20.0	6.	103.	140.	27.*U	0. *U	0.
	SPL0052			FISH	110 48.0					*T	.23*T	.3
RED ROCK A	AZU1008	RED ROCK	0	ARIZ GAME +	31 33.3	29.0	9.	111.	150.	24.*U	0. *U	0.
	SPL0053			FISH	110 42.5					*T	.36*T	.5
RED ROCK C	AZU1009	RED ROCK	0	ARIZ GAME +	31 32.6	21.0	6.	74.	100.	5.*U	0. *U	0.
	SPL0054			FISH	110 41.2					*T	.17*T	.2
HARSHAW	AZU1012	HARSHAW	0	ARIZ GAME +	31 44.3	18.0	6.	67.	90.	6.*U	0. *U	0.
	SPL0055			FISH	110 41.5					*T	.13*T	.2
LAKE PATAGONIA D	AZ00029	SONOITA CREEK	R	L.P.R.A.I.	31 29.6	230.0	8.	72.	98.	11.*E	0. *E	0.
AM	SPL0056				110 52.1					*N	.13*N	.3
COUNTY NAME: YAVAPAI						FERC POWER SUPPLY AREA 48				FERC REGIONAL OFFICE CODE SF		
COPPER CREEK	AZU1025	COPPER CREEK	0	ARIZ GAME +	34 24.0	17.0	5.	74.	100.	7.*U	0. *U	0.
	SPL0057			FISH	112 40.6					*T	.15*T	.1
DATE CREEK	AZU1026	DATE CREEK	0	ARIZ GAME +	34 14.4	91.0	20.	81.	110.	10.*U	0. *U	0.
	SPL0058			FISH	112 14.2					*T	.29*T	.7
APACHE CREEK	AZU1031	APACHE CREEK	0	ARIZ GAME +	34 54.5	9.0	3.	89.	120.	11.*U	0. *U	0.
	SPL0059			FISH	112 52.6					*T	.10*T	.1

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PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF ARIZONA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: YAVAPAI					FERC POWER SUPPLY AREA 48			FERC REGIONAL OFFICE CODE SF				
RATTLESNAKE	AZU1032	RATTLESNAKE CR	O	ARIZ GAME +	34 46.2	13.0	4.	67.	90.	9. U	0. U	0.
	SPL0060			FISH	111 35.8					T	.10 T	.1
BLACK ROCK	AZU1034	ASH CREEK	O	ARIZ GAME +	34 34.5	15.0	4.	59.	80.	3. U	0. U	0.
	SPL0061			FISH	112 6.0					T	.11 T	.1
SYCAMORE	AZU1035	SYCAMORE	O	ARIZ GAME +	34 27.0	26.0	8.	133.	180.	15. U	0. U	0.
	SPL0062			FISH	111 44.0					T	.42 T	.4
BOX CANYON	AZU1037	HASSAYAMPA	O	ARIZ GAME +	34 6.0	410.0	13.	70.	95.	19. U	0. U	0.
	SPL0063			FISH	112 42.0					T	.26 T	.3
WALNUT GROVE	AZU1038	HASSAYAMPA	O	ARIZ GAME +	34 11.2	225.0	7.	44.	60.	6. U	0. U	0.
	SPL0064			FISH	112 30.0					T	.09 T	.1
ALGONQUIN	AZU1040	POLAND CR	O	ARIZ GAME +	34 12.6	11.0	3.	74.	100.	6. U	0. U	0.
	SPL0065			FISH	112 18.0					T	.10 T	.1
TURKEY CREEK	AZU1041	TURKEY CREEK	O	ARIZ GAME +	34 12.0	136.0	31.	111.	150.	33. U	0. U	0.
	SPL0066			FISH	112 12.4					T	.57 T	1.4
WILLOW CREEK (RESERVOIR) DAM	AZ00019	WILLOW CREEK	IR	CHINO VALLEY IRR. DIST.	34 36.1	23.0	7.	57.	70.	8. E	0. E	0.
	SPL0067				112 26.7					N	.16 N	.2
GRANITE CREEK DAM	AZ00020	GRANITE CREEK	IR	CHINO VALLEY IRR DIST	34 35.7	39.0	6.	68.	82.	5. E	0. E	0.
	SPL0068				112 25.0					N	.07 N	.1
LYNX LAKE	AZ00049	LYNX CREEK	R	ARIZ. GAME & FISH DEPT.	34 31.3	21.0	1084.	74.	87.	1. E	0. E	0.
	SPL0069				112 23.2					N	.19 N	.2
HORSESHOE RESERVOIR	AZ10310	VERDE RIVER	ISR	DOI USBR	33 58.9	5991.0	900.	123.	151.	155. E	0. E	0.
	SPL0070				111 42.7					N	8.17 N	26.1

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PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF ARIZONA

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COUNTY NAME: YUMA					FERC POWER SUPPLY AREA 48			FERC REGIONAL OFFICE CODE SF				
(LAKE HAVASU) PARKER	AZ10312 SPL0071	COLORADO RIVER	HPO	DOI USBR	34 17.7 114 8.4	182700.0	15844.	68.	80.	620.	E 120.00 N 43.05	E 659.6 N 31.1
HEADGATE ROCK	AZ10437 SPL0072	COLORADO RIVER	RI	DOI BIA	34 10.1 114 30.0	176900.0	15515.	20.	23.	20.	E 0. N 44.82	E 0. N 193.7

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STATE OF CALIFORNIA

PHYSICAL POTENTIAL FOR ADDITIONAL HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF CALIFORNIA

HEAD IN FEET	COUNTY OF UNDEVELOPED POTENTIAL		.05 MW - 15 MW				15 MW - 25 MW				GREATER THAN 25 MW				TOTAL			
			EXIST INST 1 CAP	EXIST INCR 2 CAP	UNDEV POTEN 3 CAP	TOTAL INCR 4 CAP	EXIST INST 1 CAP	EXIST INCR 2 CAP	UNDEV POTEN 3 CAP	TOTAL INCR 4 CAP	EXIST INST 1 CAP	EXIST INCR 2 CAP	UNDEV POTEN 3 CAP	TOTAL INCR 4 CAP	EXIST INST 1 CAP	EXIST INCR 2 CAP	UNDEV POTEN 3 CAP	TOTAL INCR 4 CAP
0-19		NUMBER	0	21	0	21	0	0	0	0	0	1	0	1	0	22	0	22
		CAPCTY	0.0	26.8	0.0	26.8	0.0	0.0	0.0	0.0	0.0	59.7	0.0	59.7	0.0	86.5	0.0	86.5
		ENERGY	0.0	119	0.0	119	0.0	0.0	0.0	0.0	0.0	120	0.0	120	0.0	240	0.0	240
20-49		NUMBER	4	52	22	74	0	0	0	0	0	1	0	1	4	53	22	75
		CAPCTY	20.2	55.2	31.1	86.4	0.0	0.0	0.0	0.0	0.0	38.9	0.0	38.9	20.2	94.2	31.1	125
		ENERGY	118	164	97.0	281	0.0	0.0	0.0	0.0	0.0	87.4	0.0	87.4	118	272	97.0	369
50-99		NUMBER	7	64	57	121	0	1	0	1	2	1	0	1	9	66	57	123
		CAPCTY	41.3	77.0	92.7	170	0.0	18.5	0.0	18.5	100	31.5	0.0	31.5	142	127	92.7	220
		ENERGY	182	189	231	420	0.0	17.4	0.0	17.4	479	75.5	0.0	75.5	661	282	231	513
>100		NUMBER	39	79	106	185	9	11	20	31	59	35	90	125	107	125	216	341
		CAPCTY	237	206	350	556	171	223	387	611	7067	4710	12192	16902	7474	5139	12930	18068
		ENERGY	1347	497	899	1396	837	325	789	1114	28143	8137	22993	31130	30328	8959	24681	33639
TOTAL		NUMBER	50	216	185	401	9	12	20	32	61	38	90	126	120	266	295	561
		CAPCTY	298	365	474	839	171	242	387	629	7167	4840	12192	17032	7636	5447	13053	18500
		ENERGY	1647	990	1227	2217	837	342	789	1131	28621	8421	22993	31413	31106	9753	25009	34761

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT
COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS
COLUMN 3 = UNDEVELOPED POTENTIAL
COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)
CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)
ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

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COUNTY NAME: **ALAMEDA**					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
BETHANY FOREBAY	CA00033	TRI ITALIAN SLOU	I S	CAL DEPT WAT	37 47,0	4,0	4,*	77,*	90,*	6,*E	0,	0,
	SPK0001	GH		ER RES	121 37,1					*N	,12	,1
DEL VALLE	CA00043	ARROYO VALLE	I R S	CAL DEPT WAT	37 36,9	149,0	29,*	165,*	194,*	77,*E	0,	0,
	SPN0001			ER RES	121 44,7					*N	,76	,9
CALAVERAS RESERV OIR	CA00126	CALAVERAS CREEK	S	CITY COUNTY	37 29,5	100,0	24,*	151,*	178,*	100,*E	0,	0,
	SPN0002			S FRANCISCO	121 49,2					*N	1,22	,9
SAN ANTONIO RESE RVOIR	CA00132	SAN ANTONIO CR	S	CITY COUNTY	37 34,4	40,0	20,*	149,*	175,*	51,*E	0,	0,
	SPN0003			S FRANCISCO	121 50,9					*N	1,20	1,1
UPPER SAN LEANDR O RESERVIOR	CA00165	SAN LEANDRO CREE	S	EAST BAY M U	37 43,8	31,0	16,*	99,*	117,*	13,*E	0,	0,
	SPN0004	K		DIST	122 7,3					*N	,62	,6
LAKE CHABOT	CA00167	SAN LEANDRO CREE	S	EAST BAY M U	37 45,8	6,5	3,*	149,*	175,*	41,*E	0,	0,
	SPN0005	K		DIST	122 5,7					*N	,10	,1
COUNTY NAME: **ALPINE**					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
HOPE VALLEY RESE RVOIR	CA00149	WEST FORK CARSON			38 46,3	38,0	102,*	130,*	176,*	100,*U	0,	0,
	SPK0002	RIVER			119 55,6					*T	3,53	7,7
PAYNESVILLE RESE RVOIR	CA00240	WEST FORK CARSON			38 49,0	66,0	102,*	952,*	0,*	95,*U	0,	0,
	SPK0003	RIVER			119 46,0					*T	32,91	65,1
SILVER KING RESE VOIR	CA00274	EAST CARSON RIVE			38 34,1	45,0	126,*	55,*	75,*	8,*U	0,	0,
	SPK0004	R			119 37,4					*T	2,40	4,8
STEVENOT RESERVO IR	CA00289	NORTH FORK MOKEL			38 34,0	58,0	51,*	1040,*	0,*	25,*U	0,	0,
	SPK0005	UMNE RIVER			120 1,0					*T	17,58	34,2
WOODFORDS RESERV OIR	CA00324	WEST FORK CARSON			38 46,0	57,0	88,*	1100,*	0,*	95,*U	0,	0,
	SPK0006	RIVER			119 51,0					*T	32,84	64,9

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IN THE STATE OF CALIFORNIA

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COUNTY NAME: ALPINE				FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF						
CAPLES LAKE	CA00378 SPK0007	TRI SILVER FORK	H	PACIFIC GAS ++ ELECT CO	38 42,4 120 2,9	14,0	37,*	54,*	64,*	22,*E *N	0, *E ,60*N	0, 1,4
LOWER BLUE LAKE	CA00380 SPK0008	BLUE CREEK	H	PACIFIC GAS ++ ELECT CO	38 36,6 119 55,5	5,0	13,*	32,*	38,*	4,*E *N	0, *E ,13*N	0, ,3
MEADOW LAKE	CA00381 SPK0009	TRI MOKELUMNE RI VER	H	PACIFIC GAS ++ ELECT CO	38 36,0 119 58,5	2,0	5,*	64,*	64,*	6,*E *N	0, *E ,12*N	0, ,2
UPPER BLUE LAKE	CA00385 SPK0010	BLUE CREEK	H	PACIFIC GAS ++ ELECT CO	38 37,7 119 56,4	3,0	8,*	23,*	27,*	8,*E *N	0, *E ,05*N	0, ,1
LAKE ALPINE	CA00422 SPK0011	SILVER CREEK	H I S	PACIFIC GAS ++ ELECT CO	38 28,3 120 ,2	5,0	30,*	38,*	45,*	5,*E *N	0, *E ,15*N	0, ,4
UNION RESERVOIR	CA00426 SPK0012	N FK STANISLAUS RIVER	H I S	PACIFIC GAS ++ ELECT CO	38 25,8 119 59,8	28,0	80,*	28,*	33,*	2,*E *N	0, *E ,90*N	0, 1,5
UTICA RESERVOIR	CA00427 SPK0013	N FK STANISLAUS RIVER	H I S	PACIFIC GAS ++ ELECT CO	38 26,4 120 ,2	28,0	80,*	44,*	52,*	2,*E *N	0, *E 1,29*N	0, 2,2
INDIAN CRK,	CA00894 SPK0014	INDIAN CR	S I R	SOUTH TAHOE PUD	38 45,1 119 46,5	3,0	8,*	54,*	63,*	3,*E *N	0, *E ,13*N	0, ,3
COUNTY NAME: AMADOR				FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF						
IRISH HILL RESERVOIR	CA00160 SPK0015	DRY CREEK	I		38 24,0 120 57,5	77,0	40,*	137,*	185,*	100,*U *T	0, *U 3,07*T	0, 6,0
MIDDLE BAR RESERVOIR	CA00205 SPK0016	MOKELUMNE RIVER			38 17,0 120 46,0	551,0	965,*	115,*	0,*	47,*U *T	0, *U 24,02*T	0, 72,6
NASHVILLE RESERVOIR	CA00215 SPK0017	COSUMNES RIVER	IH		38 33,0 120 52,0	435,0	656,*	509,*	414,*	900,*U *T	0, *U 74,12*T	0, 131,2

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PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

(07/09/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: **AMADOR**					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
SUMMIT CITY RESERVOIR	CA00293 SPK0018	NORTH FORK MOKEL UMNE RIVER			38 30.0 120 9.0	96.0	85.	1640.	0.	35. U T	0. U 45.88 T	0. 89.3
PARDEE RESERVOIR	CA00164 SPK0019	MOKELUMNE RIVER	H S	EAST BAY M U DIST	38 15.4 120 51.0	578.0	984.	327.	337.	210. E N	15.00 E 19.00 N	105.0 26.0
SILVER LAKE	CA00377 SPK0020	SILVER FORK	H	PACIFIC GAS ELECT CO	38 40.1 120 7.3	15.0	35.	9.	11.	12. E N	0. E .13 N	0. .2
BEAR RIVER	CA00379 SPK0021	BEAR RIVER	H	PACIFIC GAS ELECT CO	38 33.5 120 12.9	28.0	55.	65.	76.	7. E N	0. E 1.60 N	0. 3.2
SALT SPRINGS RESERVOIR	CA00382 SPK0022	N FK MOKELUMNE R IVER	H	PACIFIC GAS ELECT CO	38 29.9 120 12.9	170.0	475.	256.	302.	139. E N	9.35 E 0. N	50.0 0.
LAKE TABEAUD	CA00383 SPK0023	JACKSON CREEK	H	PACIFIC GAS ELECT CO	38 20.9 120 39.9	544.0	984.	1268.	117.	1. E N	89.10 E 0. N	347.2 0.
TIGER CREEK FOREBAY	CA00401 SPK0024	N FK MOKELUMNE R IVER	H	PACIFIC GAS ELECT CO	38 26.0 120 30.2	262.0	520.	1219.	85.	4. E N	51.00 E 0. N	353.2 0.
ELECTRA DIVERSION	CA00408 SPK0025	N FK MOKELUMNE R IVER	H I	PACIFIC GAS ELECT CO	38 25.2 120 32.9	360.0	475.	20.	26.	0. E N	0. E 2.38 N	0. 3.9
LOWER BEAR RIVER	CA00409 SPK0026	BEAR RIVER	H I S	PACIFIC GAS ELECT CO	38 32.3 120 15.3	32.0	55.	2109.	235.	49. E N	29.70 E 0. N	125.6 0.
ARROYO SECO	CA00613 SPK0027	TR DRY CR	S I	CHAS HOWARD ESTATE	38 21.3 120 59.9	2.0	5.	54.	63.	2. E N	0. E .10 N	0. .2
JACKSON CR	CA00867 SPK0028	JACKSON CR	IR	JACKSON VAL IRR DIST	38 18.2 120 53.3	58.0	30.	141.	175.	26. E N	0. E 2.38 N	0. 4.6
WEST POINT POWER HOUSE	CA08024 SPK0029	N. FORK MOKELUMNE RIVER	H	PACIFIC GAS ELECT CO	38 25.0 120 32.9	-0.	0.	312.	-0.	0. E N	13.60 E 0. N	87.6 0.

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(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

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COUNTY NAME: BUTTE					FERC POWER SUPPLY AREA 46					FERC REGIONAL OFFICE CODE SF		
BALD ROCK NO. 5	CA00049	MID FORK FEATHER			39 38.0	1112.0	1484.	710.	175.	10.U	0. U	0.
	SPK0030	RIVER			121 16.0					T	310.44 T	684.4
BUTTE CREEK HOUSE	CA00069	BUTTE CREEK			40 5.5	6.0	8.	74.	100.	10.U	0. U	0.
	SPK0031				121 37.0					T	.27 T	.3
CASTLE ROCK	CA00077	BUTTE CREEK			39 46.5	72.0	146.	132.	178.	100.U	0. U	0.
	SPK0032				121 45.5					T	1.71 T	6.6
COVERED BRIDGE DAM	CA00096	BUTTE CREEK			39 43.6	147.0	409.	183.	248.	200.U	0. U	0.
	SPK0033				121 42.3					T	19.09 T	47.9
FORKS OF BUTTE CREEK	CA00127	BUTTE CREEK			39 54.0	10.0	18.	207.	280.	57.U	0. U	0.
	SPK0034				121 33.0					T	1.45 T	2.1
GRIZZLY GULCH	CA00142	BUTTE CREEK			40 3.0	69.0	140.	133.	180.	12.U	0. U	0.
	SPK0035				121 33.0					T	1.69 T	6.5
JONESVILLE	CA00167	BUTTE CREEK	SR		40 6.0	69.0	160.	167.	167.	46.U	0. U	0.
	SPK0036				122 29.5					T	2.83 T	11.6
QUARTZ HILL	CA00250	FALL RIVER			39 38.0	10.0	18.	148.	200.	22.U	0. U	0.
	SPK0037				121 11.5					T	1.15 T	1.5
SWAYNE	CA00294	FRENCH CREEK			39 45.0	1164.0	1308.	1430.	380.	280.U	0. U	0.
	SPK0038				121 23.0					T	515.02 T	1249.5
SYCAMORE	CA00297	BIG CREEK			39 48.5	72.0	146.	273.	370.	150.U	0. U	0.
	SPK0039				121 44.0					T	13.35 T	22.0
FEATHER RIVER HATCHERY	CA00034	FEATHER RIVER	R	CAL DEPT WAT ER RES	39 31.3	3624.0	5977.	26.	30.	1.E	0. E	0.
	SPK0040				121 32.7					N	38.96 N	87.5
OROVILLE DAM	CA00035	FEATHER RIVER	IRSHC	CAL DEPT WAT ER RES	39 32.1	3611.0	4800.	675.	634.	3484.E	644.40 E	1934.0
	SPK0041				121 28.9					N	350.90 N	982.0

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(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

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COUNTY NAME: BUTTE					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
THERMALITO DIVERSION DAM	CA00036	FEATHER RIVER	HI	CAL DEPT WAT ER RES	39 33.1	3640.0	4800.	65.	100.	13.	E 0.	E 0.
	SPK0042				121 32.6						N 4.00	N 26.0
THERMALITO FOREBAY	CA00041	TRI CTTNWD CRK(F R	H R	CAL DEPT WAT ER RES	39 31.6	3610.0	4955.	102.	61.	11.	E 115.00	E 270.0
	SPK0043	THR R OFSTRM)			121 36.0						N 32.70	N 59.0
THERMALITO AFTERBAY	CA00042	FEATHER RIVER (O	HR	CAL DEPT WAT ER RES	39 27.0	3610.0	4955.	27.	32.	58.	E 0.	E 0.
	SPK0044	FFSTREAM)			121 38.0						N 9.00	N 76.0
LOST CREEK	CA00268	LOST CREEK	H I S	OROVILLE WYA NDOTTE I D	39 34.5	31.0	25.	1495.	112.	6.	E 52.20	E 297.1
	SPK0045				121 8.1						N 0.	N 0.
SLY CREEK	CA00272	LOST CREEK	H I S	OROVILLE WYA NDOTTE	39 34.9	24.0	25.	213.	250.	65.	E 0.	E 0.
	SPK0046				121 6.9						N 2.95	N 6.3
FORBESTOWN DIVERSION	CA00273	S FK FEATHER RIV	H I S	OROVILLE WYA NDOTTE I D	39 33.1	88.0	233.	826.	84.	0.	E 28.80	E 183.1
	SPK0047	ER			121 12.5						N 0.	N 0.
PONDEROSA DIVERSION	CA00274	S FK FEATHER RIV	H I S	OROVILLE WYA NDOTTE I D	39 32.9	108.0	717.	107.	126.	5.	E 0.	E 0.
	SPK0048	ER			121 18.1						N 5.22	N 13.9
MINERS RANCH RESERVOIR	CA00275	TRI N HONCUT CRK	H I S	OROVILLE WYA NDOTTE I D	39 30.3	87.0	223.	668.	50.	1.	E 9.90	E 79.1
	SPK0049	(S F FTHR RIV			121 27.4						N 34.91	N 5.0
CONCOW	CA00277	CONCOW CREEK	H I S	THERMALITO T ABLE MT I D	39 45.8	15.0	27.	77.	91.	9.	E 0.	E 0.
	SPK0050				121 31.6						N .92	N 1.2
MAGALIA	CA00296	LITTLE BUTTE CRE	I S	PARADISE IRR DIST	39 48.9	11.0	20.	75.	88.	3.	E 0.	E 0.
	SPK0051	EK			121 34.9						N .65	N .9
PARADISE	CA00297	LITTLE BUTTE CRE	I S	PARADISE IRR DIST	39 51.1	9.0	19.	113.	133.	6.	E 0.	E 0.
	SPK0052	EK			121 34.5						N .61	N .6
POE FOREBAY	CA00328	N FK FEATHER RIV	H	PACIFIC GAS + ELECT CO	39 48.6	1950.0	3013.	488.	12.	1.	E 124.20	E 512.0
	SPK0053	ER			121 25.8						N 0.	N 0.

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COUNTY NAME: **BUTTE**				FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF						
DE SABLA FOREBAY	CA00343	TRI BUTTE CREEK	H	PACIFIC GAS	39 52.3	108.0	300.	1530.	50.	0.E	18.45E	120.1
	SPK0054			++ ELECT CO	121 36.5					N	98.64N	173.8
PHILBROOK CREEK	CA00345	PHILBROOK CREEK	H	PACIFIC GAS	40 1.8	5.0	7.	60.	71.	5.E	0. E	0.
	SPK0055			++ ELECT CO	121 28.5					N	.18N	.2
COAL CANYON POWERHOUSE	CA08003	M MIOCENE CANYON	H	PACIFIC GAS AND ELEC.	39 36.5	113.0	328.	481.	0.	0.E	.80E	7.5
	SPK0056				121 36.5					N	0. N	0.
CENTERVILLE POWERHOUSE	CA08005	BUTTE CREEK	H	PACIFIC GAS ELECT. CO.	39 47.5	129.0	414.	577.	0.	0.E	6.40E	43.8
	SPK0057			++	121 39.8					N	0. N	0.
LIME SADDLE POWERHOUSE	CA06012	W. BRANCH FEATHER RIVER	H	PACIFIC GAS AND ELECT.	39 45.0	113.0	328.	462.	0.	0.E	1.60E	11.0
	SPK0058				121 35.0					N	0. N	0.
COUNTY NAME: **CALAVERAS**				FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF						
CEDAR RESERVOIR	CAU0079	NORTH FORK CALAV			38 14.4	83.0	74.	133.	180.	40.U	0. U	0.
	SPK0059	ERAS RIVER			120 41.1					T	3.22T	6.3
CHILI GULCH	CAU0080	CHILI GULCH			38 14.4	5.0	13.	118.	160.	17.U	0. U	0.
	SPK0060				120 43.3					T	.46T	1.1
COLLIERVILLE	CAU0090	STANISLAUS RIVER			38 8.0	223.0	567.	2470.	0.	120.U	0. U	0.
	SPK0061				120 23.0					T	525.54T	923.5
ESPERANZA RESERVOIR	CAU0117	ESPERANZA CREEK			38 17.8	10.0	23.	92.	124.	7.U	0. U	0.
	SPK0062				120 31.5					T	.86T	1.4
FOREST CREEK RESERVOIR	CAU0125	FOREST CREEK			38 25.2	16.0	49.	109.	148.	5.U	0. U	0.
	SPK0063				120 24.1					T	1.93T	3.2
FORKS RESERVOIR	CAU0126	SOUTH FORK CALAV			38 9.6	149.0	379.	118.	160.	60.U	0. U	0.
	SPK0064	ERAS RIVER			120 40.5					T	16.81T	29.5

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COUNTY NAME: CALAVERAS					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
HIGHLAND	CA00147	NORTH FORK STANI			38 24.0	58.0	51.	745.	0.	62.	U 0.	U 0.
	SPK0065	SLAUS RIVER			120 4.0						T 12.59	T 24.5
JESUS MARIA	CA00166	JESUS MARIA CREE			38 16.2	13.0	39.	1200.	215.	36.	U 0.	U 0.
	SPK0066	K			120 30.7						T 19.87	T 30.6
LITTLE JOHNS RESERVOIR	CA00186	LITTLE JOHNS CRE			37 52.6	29.0	11.	133.	160.	225.	U 0.	U 0.
	SPK0067	EK			120 37.5						T .43	T .4
MCCARTYS RESERVOIR	CA00200	NORTH FORK CALAV			38 19.5	4.0	11.	118.	160.	35.	U 0.	U 0.
	SPK0068	ERAS RIVER			120 30.3						T .37	T .9
NORTH FORK MOKELUMNE RIVER	CA00220	NORTH FORK MOKEL			38 24.3	346.0	606.	118.	160.	5.	U 0.	U 0.
	SPK0069	UMNE RIVER			120 34.2						T 16.62	T 48.9
USNEIL RESERVOIR	CA00229	USNEIL CREEK			38 19.5	16.0	24.	122.	165.	6.	U 0.	U 0.
	SPK0070				120 28.5						T 1.85	T 1.4
RAILROAD FLAT	CA00252	SOUTH FORK MOKEL			38 22.0	96.0	65.	1620.	170.	80.	U 0.	U 0.
	SPK0071	UMNE RIVER			120 37.0						T 45.32	T 88.2
RAMSEY RESERVOIR	CA00253	NORTH FORK STANI			38 21.8	132.0	325.	235.	235.	33.	U 0.	U 0.
	SPK0072	SLAUS RIVER			120 10.9						T 29.60	T 52.0
SCOTTS RESERVOIR	CA00269	SAN ANTONIO			38 12.8	21.0	28.	148.	200.	10.	U 0.	U 0.
	SPK0073				120 25.9						T 2.37	T 1.9
SQUAW HOLLOW	CA00286	NORTH FORK STANI			38 16.0	111.0	282.	2225.	0.	85.	U 0.	U 0.
	SPK0074	SLAUS RIVER			120 16.0						T 235.64	T 414.1
SWISS RANCH RESERVOIR	CA00296	JESUS MARIA			38 16.5	0.0	18.	200.	270.	15.	U 0.	U 0.
	SPK0075				120 28.5						T 1.51	T 2.4
UPPER MIDDLE FORK	CA00306	MIDDLE FRK MOKEL			38 23.3	21.0	64.	165.	223.	12.	U 0.	U 0.
	SPK0076	UMNE RIVER			120 24.1						T 3.00	T 5.8

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COUNTY NAME: CALAVERAS			FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF							
GOODWIN	CA00260	STANISLAUS RIVER	I S	OAKDALE S SA	37 51.8	986.0	1500.	69.	81.	1.	E 0.	E 0.
	SPK0077			N JOAQUIN ID	120 37.7						N 31.55	N 75.5
TULLOCH	CA00265	STANISLAUS RIVER	H I	OAKDALE S SA	37 52.5	960.0	1500.	157.	171.	68.	E 17.10	E 70.2
	SPK0079			N JOAQUIN ID	120 36.2						N 0.	N 0.
MIDDLE FORK	CA00307	MID FK MOKELUMNE	I S	CALAVERAS P	38 23.1	29.0	62.	68.	80.	2.	E 0.	E 0.
	SPK0080	RIVER		U DIST	120 26.5						N 1.66	N 1.3
JEFF DAVIS	CA00309	TRI NET GULCH CR	I S	CALAVERAS P	38 20.6	1.0	3.	93.	109.	2.	E 0.	E 0.
	SPK0081	EEK		U DIST	120 32.4						N .09	N .1
MURPHYS FOREBAY	CA00420	TRI ANGELS CREEK	H	PACIFIC GAS	38 8.9	206.0	524.	685.	64.	0.	E 3.60	E 16.0
	SPK0082			& ELECT CO	120 26.0						N 131.04	N 220.6
HUNTERS RESERVOIR	CA00423	MILL CREEK	H I S	PACIFIC GAS	38 11.9	206.0	524.	685.	36.	0.	E 0.	E 0.
	SPK0083			& ELECT CO	120 21.6						N 134.64	N 236.6
SALT SPRINGS VALLEY RESERVOIR	CA00620	ROCK CR	S 1 U	NUCK CREEK W	38 1.6	20.0	8.	36.	42.	11.	E 0.	E 0.
	SPK0084			ATER DIST	120 45.6						N .08	N .1
ANGELS POWERHOUSE	CA06000	ANGELS CREEK	H	PACIFIC GAS	38 4.3	213.0	542.	448.	0.	0.	E 1.40	E 6.2
	SPK0085			AND ELECT.	120 32.3						N 89.65	N 153.8
NEW HOGAN LAKE	CA10109	CALAVERAS RIVER	C I R	DAEN SPK	38 9.1	363.0	241.	144.	195.	357.	E 0.	E 0.
	SPK0086				120 48.7						N 4.59	N 9.6
NEW MELONES	CA10246	STANISLAUS RIVER	C I H R U	DOI USBR	37 56.0	900.0	1560.	460.	614.	2870.	E 300.00	E 430.0
	SPK5000		U		120 31.3						N 0.	N 0.
COUNTY NAME: COLUSA			FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF							
BEAR VALLEY	CAU0052	BEAR CREEK			39 2.5	100.0	166.	299.	356.	2470.	U 0.	U 0.
	SPK1421				122 24.5						T 16.51	T 23.1

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PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

(07/09/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: COLUSA					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
FUNKS	CA00131	FUNKS CRK	I		39 19.5	15.0	180.	67.	75.	17.	U	0.
	SPK0088				122 16.5						T	.70
GOLDEN GATE	CA00136	STONE CORRAL + F			39 18.8	36.0	77.	47.	63.	48.	U	0.
	SPK0089	UNKS CREEK			122 20.5						T	1.20
SITES RES	CA00275	STONE CORRAL CRK	IH		39 18.8	38.0	186.	225.	243.	1216.	U	0.
	SPK0090				122 20.5						T	3.00
EAST PARK RESERV OIR	CA10145	LITTLE STONY CRE	IS	DOI USBR	39 22.0	102.0	88.	90.	92.	55.	E	0.
	SPK0091	EK			122 30.9						N	2.30
COUNTY NAME: CONTRA COSTA					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
KELLOG	CA00172	KELLOG CREEK			37 48.6	7.0	3.	104.	170.	135.	U	0.
	SPK0092				121 43.6						T	.08
SAN PABLO RESERV IOR	CA00166	SAN PABLO CREEK	S	EAST BAY M U DIST	37 56.6	32.0	18.	132.	155.	43.	E	0.
	SPN0006				122 15.5						N	.55
BRIONES RESERVIO R	CA00172	BEAR CREEK	S	EAST BAY M U DIST	37 54.8	8.6	3.	222.	261.	68.	E	0.
	SPN0007				122 12.5						N	.20
MARSH CRK	CA00809	MARSH CR	C	CONTRA COSTA CTY FCWCD	37 53.4	52.0	9.	40.	47.	4.	E	0.
	SPK0093				121 43.4						N	.16
COUNTY NAME: EL DORADO					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
AUKUM RESERVOIR	CA00046	SOUTH FORK COSUM	I		38 33.0	58.0	47.	176.	184.	120.	U	0.
	SPK0094	NES RIVER			120 44.0						T	2.97
BAKERS FORD	CA00048	MIDDLE FORK COSU			38 37.5	88.0	78.	81.	110.	16.	U	0.
	SPK0095	MNES RIVER			120 41.1						T	2.09

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COUNTY NAME: **EL DORADO**					FERC POWER SUPPLY AREA 46				FERC REGIONAL OFFICE CODE SF			
BRIDGEPORT RESER VOIR	CA00064 SPK0096	SOUTH FORK CONSU MNES RIVER			38 32.7 120 43.5	536.0	481.	96.	130.	36.	0. U 3.11 T	0. U 12.5 T
CAPPS CROSSING	CA00074 SPK0097	NORTH FORK COSUM NES	I		38 38.2 120 22.6	19.0	33.	140.	162.	25.	0. U 1.61 T	0. U 2.8 T
CASE VALLEY RESE RVOIR	CA00075 SPK0098	SOUTH FORK COSUM NES RIVER			38 51.0 120 32.6	6.0	16.	145.	196.	16.	0. U .68 T	0. U 1.6 T
COLOMA AFTERBAY	CA00091 SPK0099	SOUTH FORK AMERI CAN RIVER			38 47.0 120 53.0	631.0	1341.	40.	0.	2.	0. U 5.03 T	0. U 21.7 T
COLOMA RESERVOIR	CA00092 SPK0100	SOUTH FORK AMERI CAN RIVER			38 47.0 120 52.0	616.0	1310.	160.	160.	0.	0. U 64.78 T	0. U 139.1 T
EL DORADO	CA00116 SPK0101	SOUTH FORK AMERI CAN RIVER			38 46.7 120 37.8	449.0	676.	1900.	0.	246.	0. U 457.49 T	0. U 843.1 T
FORNI SOUTH FORK RESERVOIR	CA00129 SPK0102	SOUTH FORK AMERI CAN RIVER			38 47.0 120 10.0	64.0	57.	111.	150.	2.	0. U 2.07 T	0. U 4.0 T
INDIAN CREEK RES ERVOIR	CA00155 SPK0103	WEBER CREEK			38 44.0 120 56.0	214.0	209.	200.	137.	6.	0. U 14.63 T	0. U 25.9 T
KYBURZ	CA00178 SPK0104	SOUTH FORK AMERI CAN RIVER			38 46.0 120 19.5	108.0	160.	1055.	0.	0.	0. U 73.52 T	0. U 109.6 T
MICHIGAN BAR	CA00203 SPK0105	COSUMNES RIVER			38 30.0 121 3.0	536.0	481.	78.	105.	84.	0. U 2.57 T	0. U 10.3 T
MIDDLE END RESER VOIR	CA00206 SPK0106	NORTH FORK COSUM NES RIVER			38 40.5 120 32.2	43.0	38.	133.	180.	7.	0. U 1.67 T	0. U 3.2 T
PARK CREEK RESER VOIR	CA00237 SPK0107	PARK CREEK			38 44.0 120 29.0	10.0	23.	1850.	180.	7.	0. U 17.44 T	0. U 27.5 T

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POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

(07/09/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: **EL DORADO**						FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF			
PI PI	CA00243	MIDDLE FORK COSU	I		38 34.3	45.0	88.	260.	294.	70. U	0. U	0.
	SPK0106	MNES RIVER			120 25.5					T	5.22 T	6.5
PLUM CREEK RESER VOIR	CA00247	PLUM CREEK			38 45.0	5.0	13.	1550.	170.	0. U	0. U	0.
	SPK0109				120 25.0					T	2.61 T	10.3
SALMON FALLS	CA00263	SOUTH FORK AMERI			38 46.0	807.0	1716.	235.	250.	112. U	0. U	0.
	SPK0110	CAN RIVER			121 1.0					T	124.64 T	267.7
SALMON FALLS AFT ER BAY	CA00264	SOUTH FORK AMERI			38 47.0	687.0	1460.	44.	60.	1. U	0. U	0.
	SPK0111	CAN RIVER			121 2.0					T	5.87 T	25.7
SALMON FALLS (AL TERNATE PLAN)	CA00265	SOUTH FORK AMERI			38 50.0	673.0	1431.	450.	0.	7. U	0. U	0.
	SPK0112	CAN RIVER			120 57.0					T	199.04 T	427.6
SILVER FORK PH	CA00273	SOUTH FORK AMERI			38 46.0	180.0	267.	1590.	0.	0. U	0. U	0.
	SPK0113	CAN RIVER			120 19.5					T	184.68 T	275.3
SOPIAGO RESERVOI R	CA00276	SOPIAGO CREEK			38 34.0	11.0	25.	115.	155.	12. U	0. U	0.
	SPK0114				120 31.2					T	1.19 T	1.9
SQUAW HOLLOW RES ERVOIR	CA00287	SQUAW HOLLOW CRE			38 40.5	6.0	16.	63.	85.	5. U	0. U	0.
	SPK0115	EK			120 45.0					T	.30 T	.7
TEXAS HILL RESER VOIR	CA00301	WEBER CREEK	I		38 42.0	24.0	40.	150.	170.	22. U	0. U	0.
	SPK0116				120 47.0					T	2.04 T	3.7
VAN WINKLE	CA00309	SOUTH FORK AMERI			38 42.0	37.0	100.	1600.	0.	0. U	0. U	0.
	SPK0117	CAN RIVER			120 12.0					T	62.96 T	107.2
VOLCANO RESERVOI R	CA00311	SUTTER CREEK			38 26.4	40.0	36.	155.	210.	15. U	0. U	0.
	SPK0118				120 40.9					T	1.81 T	3.5
WEBBER (ENLARGED)	CA00317	WEBBER CREEK			38 42.9	8.0	18.	124.	168.	6. U	0. U	0.
	SPK0119				120 41.3					T	.94 T	1.5

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COUNTY NAME: **EL DORADO**					FERC POWER SUPPLY AREA 46					FERC REGIONAL OFFICE CODE SF		
WEBBER	CA00228	WEBBER CREEK	I	EL DORADO IR	38 43.0	10.0	17.	72.	85.	1. E	0. E	0.
	SPK0120			R DIST	120 41.4					N	.46 N	.8
ECHO LAKE	CA00374	TRI UPPER TRUCKE	H	PACIFIC GAS	38 50.1	33.0	68.	5.	6.	2. E	0. E	0.
	SPK0121	E RIVER		** ELECT CO	120 2.6					N	.17 N	.3
EL DORADO FOREBA Y	CA00375	LONG CANYON	H	PACIFIC GAS	38 46.2	217.0	322.	1909.	82.	0. E	20.00 E	97.9
	SPK0122			** ELECT CO	120 35.1					N	247.31 N	300.6
CHILI BAR	CA00418	S FK AMERICAN RI	H S	PACIFIC GAS	38 46.3	600.0	1583.	60.	60.	4. E	7.02 E	37.0
	SPK0123	VER		** ELECT CO	120 48.7					N	0. N	0.
STUMPY MEADOWS R ESERVOIR	CA00607	PILOT CR	S I D	GEORGETOWN D	38 54.2	12.0	26.	129.	152.	20. E	0. E	0.
	SPK0124			IVIDE P.U.D.	120 36.2					N	.99 N	1.7
ICE HOUSE RESERV OIR	CA00614	S FK SILVER CR	S H	SACRAMENTO M	38 49.3	27.0	76.	112.	132.	46. E	0. E	0.
	SPK0125			UD	120 21.6					N	2.60 N	5.1
JUNCTION RESERVO IR	CA00615	SILVER CR	D H	SACRAMENTO M	38 51.2	142.0	248.	1535.	150.	3. E	133.00 E	575.0
	SPK0126			UD	120 27.2					N	0. N	0.
UNION VALLEY RES ERVOIR	CA00616	SILVER CR	S H	SACRAMENTO M	38 52.0	167.0	248.	420.	425.	271. E	33.25 E	115.0
	SPK0127			UD	120 26.3					N	0. N	0.
CAMINO RESERVOIR	CA00617	SILVER CR	S D H	SACRAMENTO M	38 49.6	250.0	99.	1065.	58.	1. E	142.50 E	441.6
	SPK0128			UD	120 32.1					N	0. N	0.
GERLE	CA00618	GERLE CR	S D H	SACRAMENTO M	38 58.3	24.0	132.	41.	48.	1. E	0. E	0.
	SPK0129			UD	120 23.5					N	1.04 N	1.8
ROBBS PEAK	CA00619	S FK RUBICON R	S D H	SACRAMENTO M	38 56.8	83.0	123.	356.	31.	0. E	23.75 E	55.0
	SPK0130			UD	120 23.3					N	0. N	0.
LOON LAKE	CA00820	GERLE CR	S D H	SACRAMENTO M	39 .2	8.0	25.	1133.	100.	77. E	74.10 E	117.0
	SPK0131			UD	120 18.6					N	0. N	0.

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COUNTY NAME: **EL DORADO**					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
BUCK ISLAND RESE	CA00821	LITTLE RUBICON	DHSR	SACRAMENTO M	39 .2	31.0	123.	13.	15.	1.	E 0.	E 0.
RVOIR	SPK0132			UD	120 15.2						N .34	N .7
RUBICON RESERVOI	CA00822	RUBICON R	S D H	SACRAMENTO M	38 59.3	27.0	110.	26.	30.	1.	E 0.	E 0.
R	SPK0133			UD	120 13.5						N .73	N 1.2
SLAB CRK	CA00823	S FK AMERICAN R	S D H	SACRAMENTO M	38 46.4	493.0	614.	854.	213.	17.	E 190.00	E 618.6
	SPK0134			UD	120 42.0						N 0.	N 0.
BRUSH CRK	CA00824	BRUSH CR	S D H	SACRAMENTO M	38 28.2	8.0	18.	174.	205.	2.	E 0.	E 0.
	SPK0135			UD	120 37.2						N 1.31	N 2.1
JENKINSON LAKE (	CA10187	SLY PARK CREEK D	ISRD	DOI USBR	38 42.8	16.0	27.	165.	170.	44.	E 0.	E 0.
SLYPARK DAM)	SPK0136	FFSTREAM			120 33.6						N 1.60	N 2.8
COUNTY NAME: **FRESNO**					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
ALCALDE RANCH	CA00037	WARTHAN CRK			36 5.0	91.0	4.	127.	160.	0.	U 0.	U 0.
	SPK0137				120 25.7						T .11	T .1
CEDAR GROVE	CA00078	SOUTH FORK KINGS			36 50.0	385.0	541.	2070.	0.	80.	U 0.	U 0.
	SPK0138	RIVER			118 52.0						T 588.79	T 687.2
DINKEY MEADOW RE	CA00109	DINKEY CREEK			37 2.2	105.0	147.	2530.	305.	60.	U 0.	U 0.
SERVOIR	SPK0139				119 8.1						T 196.26	T 229.1
JACALITOS	CA00162	JACALITOS CRK			40 6.0	10.0	18.	43.	58.	0.	U 0.	U 0.
	SPK0140				121 11.5						T .34	T .5
JUNCTION RESERVO	CA00169	KINGS RIVER	H		36 50.8	100.0	140.	1095.	240.	1.	U 0.	U 0.
IR	SPK0141				118 53.6						T 162.54	T 189.7
KELLERS RANCH	CA00171	KINGS RIVER			36 53.0	1530.0	2094.	280.	0.	133.	U 0.	U 0.
	SPK0142				119 8.0						T 201.31	T 404.1

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COUNTY NAME: FRESNO					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
LITTLE DRY CREEK	CA00185	LITTLE DRY CREEK	I		36 56.6	40.0	2000.	123.	131.	36.	U 0.	U 0.
	SPK0143				119 41.4						T 2.62	T 4.3
MILL CREEK	CA00208	MILL CRK			36 46.0	127.0	178.	222.	300.	355.	U 0.	U 0.
	SPK0144				119 22.0						T 20.81	T 24.3
NUNEZ RANCH	CA00223	LOS GATOS CRK			36 13.0	94.0	4.	125.	167.	0.	U 0.	U 0.
	SPK0145				120 27.5						T .11	T .1
OWEN MOUNTAIN RESERVOIR	CA00231	LITTLE DRY CREEK			36 56.9	40.0	70.	285.	340.	750.	U 0.	U 0.
	SPK0146				119 40.0						T 4.69	T 8.8
ROSS	CA00259	DINKEY CREEK			36 59.0	89.0	143.	1100.	0.	54.	U 0.	U 0.
	SPK0147				119 7.0						T 48.07	T 107.7
TEHIPITE	CA00299	MIDDLE FORK KING			36 51.0	291.0	409.	1710.	0.	24.	U 0.	U 0.
	SPK0148	S RIVER			118 52.0						T 367.63	T 429.1
BALCH DIVERSION	CA00335	N. F. KINGS RIVE	H	PACIFIC GAS	36 55.2	233.0	387.	2389.	108.	1.	E 128.20	E 613.6
	SPK0149	R		++ ELECTRIC	119 1.3						N 0.	N 0.
BALCH AFTERBAY	CA00336	N FK KINGS RIVER	H	PACIFIC GAS	36 54.4	50.0	387.	1412.	104.	0.	E 44.10	E 207.9
	SPK0150			++ ELECT CO	119 6.0						N 0.	N 0.
WISHON	CA00411	N FK KINGS RIVER	H	PACIFIC GAS	37 .1	181.0	362.	2450.	250.	128.	E 135.00	E 517.5
	SPK0151			++ ELECT CO	118 58.2						N 0.	N 0.
COURTRIGHT RESERVOIR	CA00412	HELMS CREEK	H	PACIFIC GAS	37 4.3	40.0	76.	1634.	307.	123.	E 0.	E 0.
	SPK0152			++ ELECT CO	118 57.9						N 1050.00	N 1000.0
BEAR CREEK DIVERSION	CA00428	BEAR CREEK	H	SOUTHERN CAL	37 20.1	54.0	90.	42.	49.	0.	E 0.	E 0.
	SPK0153			IF EDISON CO	118 58.4						N 1.38	N 2.5
BIG CREEK NO 5	CA00431	BIG CREEK	H	SOUTHERN CAL	37 12.0	125.0	74.	40.	47.	0.	E 0.	E 0.
	SPK0154			IF EDISON CO	119 18.7						N .85	N 1.8

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(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DN.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: **FRESNO**					FERC POWER SUPPLY AREA 47			FERC REGIONAL OFFICE CODE SF				
BIG CREEK NO 6(D IVERSION DAM)	CA00432 SPK0155	SAN JOAQUIN RIVE R	H	SOUTHERN CAL IF EDISON CO	37 12.4 119 19.8	1224.0	419.	627.	120.	1. 0.	E 106.50 N 0.	E 779.0 N 0.
FLORENCE LAKE	CA00433 SPK0156	S FK SAN JOAQUIN RIVER	H	SOUTHERN CAL IF EDISON CO	37 16.4 118 58.0	171.0	316.	230.	135.	66. 0.	E 10.00 N 0.	E 51.0 N 0.
HUNTINGTON LAKE NO 1	CA00434 SPK0157	BIG CREEK	H	SOUTHERN CAL IF EDISON CO	37 13.6 119 14.1	420.0	224.	2131.	161.	89.	E 67.00 N 0.	E 521.0 N 0.
SHAVER LAKE	CA00437 SPK0158	STEVENSON CREEK	H	SOUTHERN CAL IF EDISON CO	37 8.7 119 18.1	472.0	224.	2418.	179.	135.	E 80.00 N 0.	E 387.0 N 0.
BIG CREEK NO 7 (H EDINGER LAKE)	CA00440 SPK0159	SAN JOAQUIN RIVE R	H	SOUTHERN CAL IF EDISON CO	37 8.7 119 27.0	1295.0	419.	416.	193.	35.	E 84.00 N 0.	E 428.0 N 0.
LAKE THOMAS A ED ISON (VERMILLION	CA00441 SPK0160	MONO CREEK	H S	SOUTHERN CAL IF EDISON CO	37 22.2 118 59.0	90.0	152.	126.	151.	125.	E 0. N 2.65	E 0. N 9.6
MAMMOTH POOL RES ERVOIR	CA00443 SPK0161	SAN JOAQUIN RIVE R	H S	SOUTHERN CAL IF EDISON CO	37 19.3 119 19.0	1000.0	338.	1100.	375.	123.	E 129.36 N 0.	E 546.0 N 0.
BIG DRY CREEK RE SERVOIR	CA01075 SPK0162	BIG DRY CREEK	C	STATE RECLAM ATION BOARD	36 52.6 119 40.0	91.0	54.	26.	35.	25.	E 0. N .40	E 0. N .8
BIG CREEK NO.2 P H	CA00602 SPK0163	BIG CREEK	H	SOUTHERN CAL IF EDISON CO	37 12.0 119 18.4	=0.	0.	1850.	=0.	0.	E 57.75 N 0.	E 451.0 N 0.
PINE FLAT LAKE	CA10112 SPK0164	KINGS RIVER	CIRH	DAEN SPK	36 49.9 119 19.5	1545.0	2242.	386.	424.	1113.	E 0. N 165.00	E 0. N 300.0
MILLERTON LAKE (F RIANT DAM)	CA10154 SPK0165	SAN JOAQUIN RIVE R	ISCR	DOI USBR	37 0. 119 42.2	1650.0	2406.	233.	300.	556.	E 0. N 136.76	E 0. N 253.8

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POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: **GLENN**					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
CLARK VALLEY	CA00083	S FK WILLOW CRK			39 32.5	39.0	79.	69.	94.	6. U	0. U	0.
	SPK0166				122 23.0					T	1.84 T	3.0
HIGH PEAK	CA00146	HUNTERS CREEK			39 23.5	17.0	34.	59.	80.	11. U	0. U	0.
	SPK0167				122 20.0					T	.70 T	1.0
RANCHERIA	CA00254	STONY CREEK	IC		39 39.0	597.0	338.	296.	400.	5040. U	0. U	0.
	SPK0168				122 23.5					T	44.41 T	48.0
SQUAW FLAT	CA00285	LOGAN CREEK			39 28.5	21.0	43.	44.	60.	8. U	0. U	0.
	SPK0169				122 20.0					T	.63 T	1.0
STONY GORGE RESE RVOIR	CA10194	STONY CREEK	IO	DOI USBR	39 35.1	301.0	303.	113.	119.	59. E	0. E	0.
	SPK0170				122 31.9					N	16.88 N	30.2
COUNTY NAME: **HUMBOLDT**					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
SEQUOIA	CA00010	EEL RIVER			40 1.9	2220.0	4795.	455.	615.	5000. U	0. U	0.
	SPN0006				123 4.7					T	891.64 T	1315.9
LARABEE	CA00020	SO FK VAN DUZEN			40 2.7	56.0	205.	148.	200.	70. U	0. U	0.
	SPN0009	RIVER			123 4.0					T	2.43 T	4.5
YAGER	CA00023	YAGER CREEK			40 3.4	115.0	299.	148.	200.	120. U	0. U	0.
	SPN0010				124 0.					T	37.80 T	55.8
COUNTY NAME: **IMPERIAL**					FERC POWER SUPPLY AREA 47		FERC REGIONAL OFFICE CODE SF					
IMPERIAL DIVERSI ON	CA10159	COLORADO	IRO	DOI USBR	32 53.0	187000.0	11250.	17.	23.	90. E	0. E	0.
	SPL0073				114 28.0					N	59.70 N	120.4
(SENATOR WASH RE SERVOIR) NORTH	CA10175	SENATOR WASH OFF STREAM	OHR	DOI USBR	32 54.7	1.0	1.	30.	39.	18. E	0. E	0.
	SPL0074				114 28.7					N	1.82 N	.0

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PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: IMPERIAL					FERC POWER SUPPLY AREA 47		FERC REGIONAL OFFICE CODE SF					
SENATOR WASH (RE	CA10185	SENATOR WASH-ALS	OHR	DOI USBR	32 53,4	1,0	1,*	61,*	78,*	18,*E	7,20*E	3,6
SERVOIR)	SPL5001	0 OFFSTREAM			114 28,5					*N	0,*N	0,
SENATOR WASH RES	CA10191	SENATOR WASH OFF	OHR	DOI USBR	32 54,5	1,0	1,*	50,*	64,*	18,*E	0,*E	0,
ERVOIR-SQUAW LAK	SPL0075	STREAM			114 28,7					*N	,40*N	,0
COUNTY NAME: INYO					FERC POWER SUPPLY AREA 47		FERC REGIONAL OFFICE CODE SF					
HAIWEE	CA00082	ROSE VALLEY	S	CITY OF LOS	36 8,2	89,0	43,*	55,*	65,*	59,*E	5,60*E	35,0
	SPL0076			ANGELES DWP	117 56,9					*N	0,*N	0,
TINEMAHA	CA00084	OWENS RIVER	S	CITY OF LOS	37 3,5	1915,0	379,*	28,*	33,*	16,*E	0,*E	0,
	SPL0077			ANGELES	118 13,5					*N	1,65*N	7,7
PLEASANT VALLEY	CA00098	OWENS RIVER	H S	CITY OF LOS	37 24,8	574,0	293,*	65,*	76,*	4,*E	3,20*E	11,0
	SPL0078			ANGELES	118 31,2					*N	0,*N	0,
COUNTY NAME: KERN					FERC POWER SUPPLY AREA 47		FERC REGIONAL OFFICE CODE SF					
ANT HILL	CA00040	KERN RIVER			35 26,0	2420,0	160,*	174,*	0,*	70,*U	0,*U	0,
	SPK0171				118 53,0					*T	2,59*T	6,3
CANEBRAKE	CA00072	CANEBREAK CREEK			35 43,1	29,0	14,*	74,*	100,*	5,*U	0,*U	0,
	SPK0172				118 4,1					*T	,44*T	,6
KELSO	CA00174	KELSO CREEK			35 33,8	83,0	31,*	44,*	60,*	6,*U	0,*U	0,
	SPK0173				118 14,5					*T	,50*T	,8
UNYX	CA00230	SOUTH FK KERN RI			35 43,8	475,0	98,*	1610,*	0,*	72,*U	0,*U	0,
	SPK0174	VER			118 10,1					*T	52,87*T	88,9
POSO	CA00245	POSO CRK			35 31,5	230,0	121,*	96,*	96,*	0,*U	0,*U	0,
	SPK0175				118 56,0					*T	3,05*T	6,8

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POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

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COUNTY NAME: KERN					FERC POWER SUPPLY AREA 47			FERC REGIONAL OFFICE CODE SF				
KERN RIVER NO. 1	CA00429	KERN RIVER	H	SOUTHERN CAL	35 31.5	2273.0	575.	677.	28.	0.E	16.00E	139.0
	SPK0176			IF EDISON CO	118 40.4					N	5.00N	41.0
KERN RIVER STATE PARK LAKE	CA00720	TR KERN R	S R	COUNTY OF KE	35 26.4	2400.0	956.	12.	14.	1.E	0. E	0.
	SPK0177			RN	118 52.0					N	3.21N	7.7
KERN RIVER NO.3 POWERHOUSE	CA08010	KERN RIVER	H	SOUTHERN CAL	35 47.0	852.0	861.	821.	0.	0.E	32.00E	197.5
	SPK0178			IF. EDISON	118 27.0					N	0. N	0.
KERN CANYON PH	CA08029	ISABELLA LAKE	H	PG AND E	35 26.0	=0.	0.	260.	=0.	0.E	8.48E	47.2
	SPK0179				118 47.4					N	0. N	0.
ISABELLA LAKE	CA10106	KERN RIVER	CIRH	DAEN SPK	35 36.3	2074.0	950.	261.	173.	842.E	9.20E	64.0
	SPK0180				118 28.4					N	0. N	0.
COUNTY NAME: LAKE					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
BOGGS	CAU0063	KELSEY CREEK			38 51.0	37.0	74.	140.	190.	57.U	0. U	0.
	SPK0181				122 48.0					T	2.60T	4.4
COLLAYOME	CAU0049	DRY CREEK	IR		38 43.0	10.0	19.	110.	129.	7.U	0. U	0.
	SPK0182				122 51.0					T	.85T	.9
COYOTE CREEK RES	CAU0097	COYOTE CREEK			38 48.0	4.0	8.	118.	160.	16.U	0. U	0.
	SPK0183				122 34.0					T	.37T	.4
CRAZY CREEK RES	CAU0098	CRAZY CREEK			38 46.0	2.0	4.	59.	80.	12.U	0. U	0.
	SPK0184				122 35.0					T	.09T	.1
EXCELSIOR	CAU0119	COPSEY CREEK			38 53.0	5.0	10.	67.	90.	38.U	0. U	0.
	SPK0185				122 35.0					T	.26T	.3
INDIAN VALLEY RESERVOIR	CAU0158	N FORK CACHE CRE			39 8.0	197.0	194.	180.	180.	0.U	0. U	0.
	SPK0186	EK			122 14.5					T	7.37T	13.4

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POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

(07/09/79)

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COUNTY NAME: LAKE					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
KELSEYVILLE LAKE	CA00173	KELSEY CREEK			38 55.9	43.0	87.	97.	131.	50.*U	0. *U	0.
	SPK0187				122 50.8					*T	2.34*T	3.7
KENNEDY FLATS	CA00175	CACHE CREEK			38 57.0	800.0	364.	405.	548.	2300.*U	0. *U	0.
	SPK0188				122 23.5					*T	81.86*T	79.7
LAKEPORT LAKE	CA00179	SCOTTS CREEK	C		39 2.5	52.0	58.	146.	198.	55.*U	0. *U	0.
	SPK0189				122 58.0					*T	3.68*T	16.4
NOYES	CA00222	PUTAH CREEK			38 46.5	113.0	210.	188.	255.	110.*U	0. *U	0.
	SPK0190				122 27.0					*T	10.64*T	16.0
PITNEY RIDGE	CA00246	MIDDLE CREEK			39 11.0	8.0	16.	47.	64.	5.*U	0. *U	0.
	SPK0191				122 54.6					*T	.29*T	.3
PUTAH CREEK CANYON	CA00249	PUTAH CREEK			39 48.0	113.0	169.	63.	85.	6.*U	0. *U	0.
	SPK0192				122 35.5					*T	2.54*T	5.6
WILSON VALLEY	CA00321	CACHE CREEK			38 57.0	800.0	364.	370.	377.	1000.*U	0. *U	0.
	SPK0193				122 27.0					*T	74.77*T	72.8
LAKE PILLSBURY (SCOTT)	CA00398	EEL RIVER	H	PACIFIC GAS & ELECT CO	39 24.4	289.0	520.	100.	118.	94.*E	0. *E	0.
	SPN0011				122 57.5					*N	7.49*N	11.8
DETERT LAKE	CA00564	BUCKSNORT CR	S D I	MAGOON ESTATES LTD	39 43.5	10.0	13.	34.	40.	3.*E	0. *E	0.
	SPK0194				122 31.4					*N	.20*N	.2
COYOTE CR	CA00572	COYOTE CR	S R	BOISE CASCADE PROP. INC.	38 48.6	6.0	12.	71.	84.	3.*E	0. *E	0.
	SPK0195				122 33.5					*N	.33*N	.4
HIGHLAND CRK	CA00828	HIGHLAND CR	S C R	LAKE CTY FCW & CD	38 56.9	14.0	27.	54.	63.	4.*E	0. *E	0.
	SPK0196				122 54.1					*N	.52*N	.7
CLEAR LAKE IMP	CA00911	CACHE CR	S I	YOLO CTY FCW & CD	38 55.4	528.0	366.	26.	30.	420.*E	0. *E	0.
	SPK0197				122 33.9					*N	1.61*N	3.9

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POTENTIAL HYDROPOWER SITES

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PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: LASSEN					FERC POWER SUPPLY AREA 46					FERC REGIONAL OFFICE CODE SF		
BIG VALLEY	CA00059	PIT RIVER			41 1.0	2900.0	559.	840.	0.	1000.	0.	0.
	SPK0198				121 16.0						184.83	283.2
DEVILS CORRAL	CA00108	SUSAN RIVER			40 24.0	184.0	97.	140.	189.	30.	0.	0.
	SPK0199				120 45.5						2.97	7.4
EAGLE LAKE DIKE	CA00114	EAGLE LAKE			41 38.5	226.0	72.	22.	30.	83.	0.	0.
	SPK0200				120 43.5						.47	1.1
FOURTH BUTTE	CA00130	PIT RIVER			39 59.0	2690.0	3024.	118.	160.	90.	0.	0.
	SPK0201				121 16.5						98.43	238.8
LITTLE VALLEY	CA00188	HORSE CREEK			40 52.5	59.0	51.	52.	70.	25.	0.	0.
	SPK0202				121 8.0						.35	1.9
LONG VALLEY	CA00189	LONG VALLEY CREE			39 53.5	120.0	132.	77.	104.	20.	0.	0.
	SPK0203	K			120 3.5						3.11	6.8
MCCALLISTER	CA00199	WILLOW CREEK			40 26.5	202.0	107.	67.	90.	8.	0.	0.
	SPK0204				120 27.0						2.47	4.5
PETES VALLEY	CA00242	WILLOW CREEK			40 29.5	244.0	129.	67.	90.	25.	0.	0.
	SPK0205				120 28.0						2.99	5.4
INDIAN OLE DAM (MTN MEADOWS RES)	CA00407	HAMILTON CREEK	H	PACIFIC GAS ** ELECT CO	40 17.0	158.0	232.	410.	18.	25.	5.39	15.8
	SPK0206				121 1.5						23.33	42.7
ROUND VALLEY	CA00509	ROUND VALLEY CR	S I	JACK + THOMA	40 31.0	10.0	18.	34.	40.	6.	0.	0.
	SPK0207			S SWICKARD	120 39.7						.27	.4
RED ROCK NO.3	CA00510	RED ROCK CR	S I D	DODGE RANCH	40 58.1	2.0	8.	48.	56.	10.	0.	0.
	SPK0208			ASSOC	120 8.2						.13	.2
COYOTE FLAT RESERVOIR	CA00513	COYOTE CR	S I D	T. E. CONNOL	40 54.5	30.0	216.	36.	42.	5.	0.	0.
	SPK0209			LY	120 59.1						1.30	5.5

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(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

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COUNTY NAME: LASSEN					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
LAKE LEAVITT	CA00516	TR SUSAN RIVER	S I	LASSEN IRRIG	40 22.6	9.0	20.	13.	15.	14.	E 0.	E 0.
	SPK0210			CO	120 30.4						N .09	N .2
MCCOY FLAT RESER VOIR	CA00517	SUSAN RIVER	S I	LASSEN IRRIG CO	40 27.2 120 56.5	110.0	100.	14.	17.	17.	E 0. N .18	E 0. N 1.0
HEATH RESERVOIR	CA00525	SLATE CR	D I R	G. R. HEATH	40 50.5 120 47.1	22.0	158.	34.	40.	9.	E 0. N .92	E 0. N 3.8
TULE LAKE	CA00956	CEDAR CR	S I	OCCIDENTAL P ET L+D CORP	41 5.0 120 22.0	82.0	26.	8.	9.	40.	E 0. N .06	E 0. N .1
HAT CREEK NO.1 P H	CA08031	HAT CREEK	H	PG AND E	40 55.0 121 32.5	=0.	0.	217.	=0.	0.	E 10.00 N 0.	E 19.3 N 0.
COUNTY NAME: LOS ANGELES					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
JACKASS MEADOW	CA00164	JACKASS CREEK	CR		37 28.6 119 18.0	11.0	14.	175.	0.	95.	U 0. T .73	U 0. T 1.7
CASTAIC	CA00044	CASTAIC CR	I R S	CAL DEPT WAT ER RES	34 31.2 118 36.2	154.0	41.	272.	320.	324.	E 56.00 N 0.	E 60.0 N 0.
PYRAMID	CA00052	PIRU CREEK	I R S	CAL DEPT WAT ER RES	34 38.7 118 45.8	293.0	125.	303.	358.	171.	E 0. N 6.12	E 0. N 9.2
LOWER SAN FERNAN DO	CA00076	SAN FERNANDO CRE EK	S	CITY OF LOS ANGELES	34 17.1 118 28.7	13.0	8.	112.	132.	21.	E 0. N .24	E 0. N .3
BOUQUET CANYON	CA00088	BOUQUET CREEK	S	CITY OF LOS ANGELES	34 32.4 118 23.0	14.0	8.	149.	175.	37.	E 0. N .35	E 0. N .5
BIG DALTON	CA00187	BIG DALTON CR	C	LOS ANGELES COUNTY FCD	34 10.2 117 48.5	5.0	2.	106.	143.	1.	E 0. N .10	E 0. N .2

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COUNTY NAME: LOS ANGELES					FERC POWER SUPPLY AREA 47			FERC REGIONAL OFFICE CODE SF				
BIG SANTA ANITA	CA00188	TRI RIO HONDO	I S	LOS ANGELES	34 11.0	11.0	7.	160.	216.	1.*E	0. *E	0.
	SPL0084			COUNTY FCD	118 1.1					*N	.36*N	.5
DEVILS GATE	CA00189	ARROYO SECO	C	LOS ANGELES	34 11.1	32.0	9.	62.	84.	3.*E	0. *E	0.
	SPL5002			COUNTY FCD	118 10.5					*N	.25*N	.3
COGSWELL	CA00190	W FK SAN GABRIEL	H I S	LOS ANGELES	34 14.7	39.0	25.	181.	245.	9.*E	0. *E	0.
	SPL0086			COUNTY FCD	117 57.9					*N	1.34*N	2.8
BIG TUJUNGA	CA00191	BIG TUJUNGA CREE	S	LOS ANGELES	34 17.6	82.0	22.	137.	186.	6.*E	0. *E	0.
	SPL0087	K		COUNTY FCD	118 11.2					*N	.87*N	1.2
PACOIMA	CA00193	PACOIMA CREEK	C	LOS ANGELES	34 20.1	28.0	9.	222.	300.	3.*E	0. *E	0.
	SPL0088			COUNTY FCD	118 23.7					*N	.79*N	.8
PUDDINGSTONE	CA00194	WALNUT CREEK	C	LOS ANGELES	34 5.3	32.0	10.	100.	135.	17.*E	0. *E	0.
	SPL0089			COUNTY FCD	117 48.7					*N	.59*N	1.5
SAN DIMAS	CA00195	SAN DIMAS CREEK	C I	LOS ANGELES	34 9.3	16.0	5.	81.	109.	2.*E	0. *E	0.
	SPL0090			COUNTY FCD	117 46.3					*N	.35*N	.4
SAN GABRIEL	CA00200	SAN GABRIEL RIVE	C	LOS ANGELES	34 12.4	203.0	145.	208.	282.	46.*E	0. *E	0.
	SPL0091	R		COUNTY FCD	117 51.5					*N	4.01*N	5.4
MORRIS	CA00216	SAN GABRIEL RIVE	S	METROPOLITAN	34 10.4	217.0	99.	208.	245.	30.*E	0. *E	0.
	SPL0092	R		WATER DIST	117 52.8					*N	4.16*N	5.7
LITTLEROCK	CA00237	LITTLEROCK CREEK	I	LITTLEROCK P	34 29.1	64.0	16.	94.	110.	4.*E	0. *E	0.
	SPL0093			ALMDALE ID	118 1.3					*N	.69*N	.9
COUNTY NAME: MADERA					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
CHIQUITO RESEVOI	CA00081	CHIQUITO CREEK			37 24.3	146.0	86.	1650.	158.	75.*U	0. *U	0.
R	SPK0216				119 22.3					*T	40.98*T	84.8

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IN THE STATE OF CALIFORNIA

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COUNTY NAME: MADERA					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
FIGARDEN	CA00123	SAN JOAQUIN RIVE	I		36 50,7	1703,0	1956,*	55,*	65,*	94,*U	0,*U	0,
	SPK0217	R			119 54,8					*T	,41*T	,9
FORKS	CA00126	SAN JOAQUIN RIVE			37 28,6	393,0*	730,*	710,*	300,*	35,*U	0,*U	0,
	SPK0218	R			119 18,4					*T	205,98*T	346,9
GRANITE CREEK RE SERVOIR	CA00141	GRANITE CREEK			37 30,4	48,0*	81,*	2990,*	350,*	150,*U	0,*U	0,
	SPK0219				119 14,5					*T	96,42*T	166,0
JACKASS	CA00163	NORTH FORK SAN J			37 27,0	84,0*	135,*	2090,*	166,*	101,*U	0,*U	0,
	SPK0220	DAQUIN			119 24,0					*T	86,21*T	193,1
LEWIS	CA00182	LEWIS CREEK			37 22,1	28,0*	49,*	92,*	125,*	15,*U	0,*U	0,
	SPK0221				119 38,1					*T	1,74*T	2,5
MIAMI	CA00202	MIAMI CREEK			37 24,7	12,0*	21,*	89,*	120,*	5,*U	0,*U	0,
	SPK0222				119 39,2					*T	,87*T	1,1
MILLER BRIDGE	CA00209	SAN JOAQUIN RIVE	C		37 30,7	249,0*	469,*	875,*	305,*	63,*U	0,*U	0,
	SPK0223	R MID FK			119 12,0					*T	164,88*T	277,7
NELDER	CA00216	NELDER CREEK			37 22,1	10,0*	17,*	118,*	160,*	15,*U	0,*U	0,
	SPK0224				119 36,4					*T	,96*T	1,3
SOQUEL RESERVOIR	CA00279	NORTH FORK WILLO			37 24,5	17,0*	30,*	72,*	97,*	8,*U	0,*U	0,
	SPK0225	W CREEK			119 33,8					*T	,99*T	1,3
YEMPERANCE FLAT	CA00300	SAN JOAQUIN RIVE			37 4,1	1480,0*	1447,*	443,*	600,*	1100,*U	0,*U	0,
	SPK0226	R			119 35,6					*T	233,47*T	433,3
WINDY GAP	CA00322	FRESNO RIVER			37 21,2	102,0*	60,*	1180,*	187,*	50,*U	0,*U	0,
	SPK0227				119 45,0					*T	20,47*T	42,4
BASS LAKE (CRANE VALLEY STORAGE)	CA00337	N FK SAN JOAQUIN	H	PACIFIC GAS ** ELECT CO	37 17,5	50,0*	83,*	118,*	130,*	45,*E	,88*E	5,1
	SPK0228	RIVER			119 31,8					*N	0,*N	0,

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COUNTY NAME: MADERA				FERC POWER SUPPLY AREA 46				FERC REGIONAL OFFICE CODE SF				
CORRINE LK(SAN JOAQUIN NO 1A FOR	CA00338 SPK0229	TRI N FK SAN JOAQUIN RIVER	H	PACIFIC GAS & ELECT CO	37 9.5 / 119 29.5	51.0	85.	47.	15.	0. E / 0. N	.34 E / 0. N	1.7 / 0.
SAN JOAQUIN P.H. NO. 3 FOREBAY	CA00339 SPK0230	TRI N FK SAN JOAQUIN RIVER	H	PACIFIC GAS & ELECT CO	37 15.2 / 119 31.8	50.0	85.	402.	25.	0. E / 0. N	4.00 E / 0. N	17.5 / 0.
KERCKHOFF DIVERSION	CA00340 SPK0231	SAN JOAQUIN RIVER	H	PACIFIC GAS & ELECT CO	37 7.7 / 119 31.5	1461.0	2372.	350.	83.	4. E / 0. N	34.08 E / 100.00 N	264.1 / 600.0
MANZANITA LK(SAN JOAQUIN NO 2 FO	CA00342 SPK0232	N FK SAN JOAQUIN RIVER	H	PACIFIC GAS & ELECT CO	37 14.6 / 119 30.9	50.0	85.	404.	24.	0. E / 0. N	2.88 E / 0. N	22.0 / 0.
WISHON POWERHOUSE	CA08026 SPK0233	WILLOW CREEK	H	PG AND E	37 9.0 / 119 30.2	-0.	0.	1411.	-0.	0. E / 0. N	12.80 E / 815.36 N	94.2 / 1442.7
BIG CREEK NO.8 PH	CA08027 SPK0234	BIG CREEK	H	SOUTHERN CAL IF EDISON CO	37 12.0 / 119 19.8	-0.	0.	713.	-0.	0. E / 0. N	58.50 E / 0. N	337.0 / 0.
H V EASTMAN LAKE (BUCHANAN DAM)	CA10243 SPK0235	CHOWCHILLA RIVER	CIR	DAEN SPK	37 13.0 / 119 59.0	254.0	102.	159.	200.	192. E / 3.26 N	0. E / 3.26 N	0. / 5.6
HENSLEY LAKE (HIDDEN DAM)	CA10244 SPK0236	FRESNO RIVER	CIR	DAEN SPK	37 6.6 / 119 53.0	258.0	106.	81.	151.	118. E / 2.06 N	0. E / 2.06 N	0. / 3.2
COUNTY NAME: MARIN				FERC POWER SUPPLY AREA 46				FERC REGIONAL OFFICE CODE				
KENT LAKE	CA00208 SPN0012	LAGUNITAS CREEK	S	MARIN MUN WATER DIST	37 59.8 / 122 42.2	11.5	4.	149.	175.	17. E / .18 N	0. E / .18 N	0. / .2
NICASIO RESERVOIR	CA00209 SPN0013	NICASIO CREEK	S	MARIN MUN WATER DIST	38 4.6 / 122 45.2	36.0	23.	85.	100.	23. E / .82 N	0. E / .82 N	0. / .8

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COUNTY NAME: **MARIPOSA**					FERC POWER SUPPLY AREA 46				FERC REGIONAL OFFICE CODE SF			
BAGBY	CA00047	MERCED RIVER			37 36.8	912.0	1152.	400.	0.	415.	U 0.	U 0.
	SPK0237				120 7.7						T 147.87	T 315.0
COULTERVILLE	CA00094	MAXWELL CREEK			37 39.0	5.0	2.	148.	200.	22.	U 0.	U 0.
	SPK0238				120 22.1						T .08	T .1
HITE COVE	CA00148	SOUTH FORK MERCE			37 38.0	185.0	348.	1000.	0.	50.	U 0.	U 0.
	SPK0239	D RIVER			119 50.0						T 140.00	T 235.8
MARGUERITE	CA00197	DUTCHMAN AND DEA			37 14.0	59.0	35.	24.	32.	13.	U 0.	U 0.
	SPK0240	DMAN CREEK			120 10.0						T .24	T .5
NORWEGIAN GULCH RESERVOIR	CA00221	UPPER BEAR CREEK			37 29.0	22.0	67.	78.	105.	7.	U 0.	U 0.
	SPK0241				120 6.4						T 1.92	T 3.4
SOUTH FORK MERCED DIVERSION RESE	CA00283	SOUTH FORK MERCE			37 36.7	134.0	252.	339.	458.	70.	U 0.	U 0.
	SPK0242	D RIVER			119 43.3						T 34.33	T 57.8
SWEETWATER	CA00295	SOUTH FORK MERCE			37 39.0	228.0	423.	300.	0.	50.	U 0.	U 0.
	SPK0243	D RIVER			119 55.0						T 50.49	T 85.0
VIRGINIA POINT	CA00310	MERCED RIVER			37 38.6	924.0	1168.	399.	540.	1000.	U 0.	U 0.
	SPK0244				120 10.0						T 149.49	T 318.4
LAKE MCCLURE (NEW EXCHEQUER DAM)	CA00240	MERCED RIVER	H I R	MERCED IRR D IST	37 35.1	1020.0	1300.	464.	437.	1021.	E 80.10	E 316.1
	SPK0245				120 16.2						N 0.	N 0.
MCSWAIN RESERVOIR	CA00242	MERCED RIVER	H I R	MERCED IRR D IST	37 31.0	1040.0	1339.	56.	86.	10.	E 9.00	E 45.0
	SPK0246				120 19.5						N 0.	N 0.
CASCADE (YOSEMITE POWERHOUSE)	CA08001	MERCED RIVER	H	NATIONAL PAR K SERVICE	37 43.3	323.0	606.	356.	0.	0.	E 2.00	E 13.2
	SPK0247				119 42.1						N 0.	N 0.
BEAR DAM	CA10101	BEAR CREEK	C	DAEN SPK	37 22.2	72.0	72.	64.	87.	13.	E 0.	E 0.
	SPK0248				120 13.7						N 1.63	N 2.9

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COUNTY NAME: **MARIPOSA**					FERC POWER SUPPLY AREA 46				FERC REGIONAL OFFICE CODE SF			
MARIPOSA LAKE	CA10107	MARIPOSA CREEK	C	DAEN SPK	37 17.5	108.0	64.	61.	83.	22.E	0. E	0.
	SPK0249				120 8.8					N	1.13N	2.3
OWENS LAKE	CA10111	OWENS CREEK	C	DAEN SPK	37 18.9	29.0	29.	52.	70.	6.E	0. E	0.
	SPK0250				120 11.1					N	.58N	1.0
COUNTY NAME: **MENDOCINO**					FERC POWER SUPPLY AREA 46				FERC REGIONAL OFFICE CODE SF			
BELL SPRINGS	CAU0017	EEL RIVER			39 5.4	1570.0	3425.	443.	600.	1300.U	0. U	0.
	SPN0014				123 2.8					T	490.55T	648.8
SPENCER FRANCISCAN	CAU0019	MD FK EEL RIVER			39 4.7	425.0	822.	244.	330.	850.U	0. U	0.
	SPN0015				123 .9					T	55.19T	61.8
VALLEYS END	CAU0021	TOMKI CREEK			39 2.5	48.0	89.	100.	135.	57.U	0. U	0.
	SPN0016				123 13.0					T	2.48T	10.4
BRANSCOMB	CAU0022	SO FK EEL RIVER			39 4.2	45.0	205.	111.	150.	45.U	0. U	0.
	SPN0017				123 4.0					T	2.56T	10.9
FELIZ	CAU0026	FELIZ CREEK			38 5.9	39.0	49.	113.	153.	69.U	0. U	0.
	SPN0018				123 .8					T	1.19T	1.2
REDWOOD VALLEY	CAU0027	RUSSIAN RIVER			39 1.9	14.0	23.	133.	180.	90.U	0. U	0.
	SPN0019				123 1.5					T	1.30T	1.8
FORSYTHE	CAU0028	FORSYTHE CREEK			39 18.0	30.0	51.	206.	279.	71.U	0. U	0.
	SPN0020				123 15.0					T	2.81T	5.1
DIGGER BEND	CAU0029	RUSSIAN RIVER			38 36.0	750.0	1027.	22.	30.	1.U	0. U	0.
	SPN0021				122 48.0					T	.82T	1.0
COYOTE DAM	CAU0329	RUSSIAN RIVER	SR	CORPS	39 12.0	105.0	343.	95.	128.	123.U	0. U	0.
	SPN0022				123 11.0					T	4.58T	21.2

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PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

(07/09/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: **MENDOCINO**					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
DOS RIOS	CA00330	EEL RIVER			39 6.0	745.0	939.	340.	730.	0.	0. U	0. U
	SPN0023				123 18.0						T	134.86 T
RUSSIAN RIVER RESERVOIR COYOTE V	CA10201	RUSSIAN RIVER	CSR	DAEN SPK	39 12.0	105.0	384.	116.	145.	130.	0. E	0. E
	SPN0024				123 8.0						N	5.55 N
COUNTY NAME: **MERCED**					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
CASTLE	CA00076	CANAL CREEK			37 24.8	28.2	28.	30.	33.	0.	0. U	0. U
	SPK0251				120 29.5						T	.33 T
MONTGOMERY	CA00213	DRY CREEK	I		37 33.5	67.0	67.	90.	101.	275.	0. U	0. U
	SPK0252				120 27.9						T	2.04 T
CROCKER DIVERSION	CA00239	MERCED RIVER	I	MERCED IRR D	37 30.9	1045.0	1339.	11.	13.	0.	0. E	0. E
	SPK0253			IST	120 22.2						N	1.73 N
LAKE YOSEMITE	CA00241	MERCED RIVER (OF	I	MERCED IRR D	37 22.3	41.0	41.	32.	38.	7.	0. E	0. E
	SPK0254	F STREAM)		IST	120 26.2						N	.52 N
MERCED FALLS	CA00341	MERCED RIVER	H	PACIFIC GAS	37 31.0	1061.0	1339.	26.	21.	1.	3.44 E	19.1 E
	SPK0255			& ELECT CO	120 19.7						N	0. N
BURNS DAM	CA10103	BURNS CREEK	C	DAEN SPK	37 22.6	74.0	74.	36.	49.	22.	0. E	0. E
	SPK0256				120 16.5						N	1.04 N
LOS BANOS DETENTION	CA10167	LOS BANOS CREEK	CR	DOI USBR	37 0.	168.0	19.	126.	150.	52.	0. E	0. E
	SPK0257				120 55.9						N	.66 N
ONEILL FOREBAY	CA10171	SAN LUIS CREEK	HOI	DOI USBR	37 5.4	1.0	0.	50.	64.	65.	25.20 E	1.0 E
	SPK0258				121 2.3						N	0. N
SAN LUIS RESERVOIR	CA10183	SAN LUIS CREEK	ISHR	DOI USBR	37 3.5	83.0	0.	327.	305.	2064.	424.00 E	44.3 E
	SPK0259				121 4.5						N	0. N

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POTENTIAL HYDROPOWER SITES

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COUNTY NAME: MODOC					FERC POWER SUPPLY AREA 45			FERC REGIONAL OFFICE CODE SF				
ALLEN CAMP DAM	CA00039	PIT RIVER	IHR		41 20.8	1550.0	220.	70.	95.	74. U	0. U	0.
	SPK0260				121 8.2					T	1.92 T	7.6
ROUND VALLEY	CA00260	ASH CREEK	CI		41 12.0	258.0	83.	74.	88.	72. U	0. U	0.
	SPK0261				120 52.0					T	1.56 T	3.7
BIG SAGE	CA00233	RATTLESNAKE CREE	I	HOT SPRING V	41 34.7	107.0	34.	34.	40.	77. E	0. E	0.
	SPK0262	K		ALLEY I D	120 37.5					N	.34 N	.8
WEST VALLEY	CA00300	WEST VALLEY CREE	I	SOUTH FORK I	41 13.4	135.0	80.	44.	52.	22. E	0. E	0.
	SPK0263	K		RR DIST	120 24.5					N	.56 N	1.3
MCBRIEN	CA00459	PIT RIVER	I	AMANDA HAGGE	41 27.4	1087.0	100.	9.	11.	1. E	0. E	0.
	SPK0264				120 41.8					N	.19 N	.7
ESSEX RESERVOIR	CA00461	TNI PIT RIVER	I	PELISSA AND	41 30.7	5.0	10.	31.	37.	4. E	0. E	0.
	SPK0265			HALE	120 44.8					N	.07 N	.2
LINDAUER CONCRET E	CA00914	PIT RIVER	S D I	W E + C O RO	41 26.1	1150.0	100.	5.	6.	1. E	0. E	0.
	SPK0266			USE	120 43.4					N	.11 N	.4
POISON SPRINGS	CA00916	ROCK CREEK	S D I	FEE RANCH +	41 49.1	49.0	37.	31.	37.	7. E	0. E	0.
	SPK0267			P H PETERSON	120 1.6					N	.44 N	.8
CLEAR LAKE	CA10141	LOST RIVER	IC	DOI USBR	41 55.6	670.0	167.	30.	32.	566. E	0. E	0.
	SPK0268				121 4.5					N	1.18 N	2.2
DORRIS DAM	CA10144	PARKER AND PINE	ISR	DOI BSFW	41 29.3	39.0	29.	19.	23.	13. E	0. E	0.
	SPK0269	CREEKS			120 29.3					N	.21 N	.4
COUNTY NAME: MONO					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
ANTELOPE VALLEY	CA00042	WEST WALKER			38 31.0	176.0	331.	1200.	0.	88. U	0. U	0.
	SPK0270				119 27.0					T	159.83 T	269.2

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COUNTY NAME: MONO					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
LEAVITT	CA00161	WEST WALKER RIVE			38 20.0	73.0	168.	400.	0.	51.	U 0.	U 0.
	SPK0271	R			119 33.0						T 24.75	T 44.9
PICKLE MEADOWS	CA00244	WEST WALKER RIVE	I		38 21.7	115.0	190.	146.	165.	110.	U 0.	U 0.
	SPK0272	R			119 29.5						T 2.88	T 10.5
WILLOW FLAT	CA00320	LITTLE WALKER RI			38 17.1	15.0	40.	142.	0.	18.	U 0.	U 0.
	SPK0273	VER			119 27.1						T 1.67	T 3.9
GRANT LAKE	CA00089	RUSH CREEK	S	CITY OF LOS	37 51.7	60.0	82.	61.	72.	48.	E 0.	E 0.
	SPL0094			ANGELES	119 6.1						N .96	N 3.8
LAKE CROWLEY LON	CA00090	OWENS RIVER	H S	CITY OF LOS	37 35.3	437.0	137.	83.	112.	1835.	E 0.	E 0.
G VALLEY	SPL0095			ANGELES	118 42.3						N 2.48	N 2.1
BRIDGEPORT	CA00284	EAST WALKER RIVE	I	WALKER RIVER	38 19.6	358.0	136.	44.	52.	42.	E 0.	E 0.
	SPL0096	R		IRR DIST	119 12.7						N 1.48	N 4.1
(WAUGH LAKE)-RUS	CA00450	RUSH CREEK	H I	SOUTHERN CAL	37 45.1	15.0	19.	40.	47.	5.	E 0.	E 0.
H CREEK MEADOWS	SPL0097			IF EDISON CO	119 10.8						N .23	N .5
LUNDY LAKE	CA00451	MILL CREEK	H I	SOUTHERN CAL	38 1.9	20.0	37.	34.	40.	4.	E 3.00	E 6.0
	SPL0098			IF EDISON CO	119 13.2						N 0.	N 0.
GEM LAKE	CA00453	RUSH CREEK	H I	SOUTHERN CAL	37 45.1	22.0	29.	60.	70.	18.	E 0.	E 0.
	SPL0099			IF EDISON CO	119 8.5						N .50	N 1.2
COUNTY NAME: MONTEREY					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
SAN CLEMENTE	CA00032	CARMEL RIVER			36 2.6	125.0	82.	314.	425.	154.	U 0.	U 0.
	SPN0025				121 4.2						T 4.54	T 9.1
SAN ANTONIO	CA00328	SAN ANTONIO RIVE		MONTEREY COU	35 45.6	324.0	92.	132.	179.	348.	U 0.	U 0.
	SPN0026	R		NTY FCWCD	120 52.4						T 2.65	T 3.9

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COUNTY NAME: MONTEREY					FERC POWER SUPPLY AREA 46					FERC REGIONAL OFFICE CODE SF		
SAN CLEMENTE	CA00689	CARMEL R	S D	CALIF-AMERIC	36 26.1	155.0	80.	64.	75.	2.E	0.	0.
	SPL0100			AN WATER CO	121 42.4					N	1.71	2.7
LOS PADRES	CA00692	CARMEL R	S D	CALIF-AMERIC	36 23.1	45.0	86.	111.	130.	3.E	0.	0.
	SPL0101			AN WATER CO	121 40.0					N	3.44	5.4
SAN ANTONIO	CA00813	SAN ANTONIO R	S D I	MONTEREY CTY	35 47.9	324.0	105.	152.	179.	348.E	0.	0.
	SPL0102		R	FCWCD	120 53.0					N	2.92	4.4
COUNTY NAME: NAPA					FERC POWER SUPPLY AREA 46					FERC REGIONAL OFFICE CODE SF		
ADAMS	CAU0036	ETICUVERA CREEK			38 42.0	54.0	63.	100.	135.	34.U	0.	0.
	SPK0274				122 17.5					T	1.87	2.4
GOODINGS	CAU0139	MAXWELL CREEK			39 37.0	39.0	79.	81.	110.	51.U	0.	0.
	SPK0275				122 21.0					T	2.15	3.5
JAMES CREEK	CAU0165	JAMES CREEK			38 40.5	9.0	4.	81.	110.	13.U	0.	0.
	SPK0276				122 28.5					T	.08	.1
SNELL	CAU0276	PUTAH CREEK			39 39.5	253.0	378.	233.	315.	394.U	0.	0.
	SPK0277				122 18.5					T	29.23	52.4
WALTER SPRINGS	CAU0313	POPE CREEK			38 38.7	78.0	145.	59.	80.	25.U	0.	0.
	SPK0278				122 21.5					T	2.01	3.2
LAKE CURRY	CA00140	GORDON VALLEY CR	S	CITY OF VALL	38 21.5	17.0	7.	82.	97.	11.E	0.	0.
	SPN0027			EJU	122 7.4					N	.15	.2
MONTICELLO DAM (LAKE BERRYESSA)	CA10170	PUTAH CREEK	IRS	USBR	38 30.0	566.0	488.	205.	266.	1833.E	0.	0.
	SPK5001				122 6.2					N	26.80	42.7

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COUNTY NAME: NEVADA						FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF				
ANTHONY HOUSE	CA00043	DEER CREEK	S		39 14.0	85.0	130.	66.	92.	12.U	0. U	0.
	SPK0279				121 12.0						2.17T	4.0
BITNEY CORNER	CA00060	DEER CREEK	I		39 14.5	85.0	130.	128.	173.	20.U	0. U	0.
	SPK0280				121 7.5						3.96T	7.1
BLOODY RUN	CA00061	BLOODY RUN	I		39 24.5	5.0	11.	113.	153.	7.U	0. U	0.
	SPK0281				120 54.0						.46T	.8
GARDEN BAR	CA00134	BEAR RIVER			39 2.2	210.0	296.	149.	202.	300.U	0. U	0.
	SPK0282				121 8.5						15.74T	24.6
SHADY CREEK	CA00271	SHADY CREEK	I		39 20.5	10.0	23.	107.	107.	6.U	0. U	0.
	SPK0283				121 5.5						.83T	1.5
WASHINGTON	CA00315	SOUTH YUBA RIVER	H		39 21.0	122.0	282.	935.	400.	126.U	0. U	0.
	SPK0284				120 50.0						87.96T	165.0
WEAVER LAKE	CA00316	WEAVER CREEK			39 27.5	28.0	65.	34.	45.	6.U	0. U	0.
	SPK0285				120 30.9						.75T	1.3
BOWMAN LAKE (ROCKFILL)	CA00245	CANYON CREEK	I S	NEVADA IRR DIST	39 26.9	118.0	100.	316.	165.	68.E	6.30E	25.1
	SPK0286				120 39.0						0. N	0.
DEER CREEK DIVERSION	CA00246	DEER CREEK	I S	NEVADA IRR DIST	39 16.1	120.0	671.	74.	87.	1.E	0. E	0.
	SPK0287				120 57.1						4.18N	10.8
FRENCH LAKE	CA00247	CANYON CREEK	H I S	NEVADA IRR DIST	39 25.2	6.0	30.	81.	95.	13.E	0. E	0.
	SPK0286				120 32.4						.40N	.7
MILTON DIVERSION	CA00248	MIDDLE FK YUBA R	H I S	NEVADA IRR DIST	39 31.3	42.0	123.	23.	27.	0.E	0. E	0.
	SPK0289	IVER			120 34.9						.74N	1.3
COMBIE	CA00249	REAR RIVER	I S	NEVADA IRR DIST	39 .6	130.0	400.	64.	75.	9.E	0. E	0.
	SPK0290				121 3.4						2.76N	5.5

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COUNTY NAME: NEVADA					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
SAWMILL LAKE	CA00250	CANYON CREEK	H I S	NEVADA IRR D	39 26.7	16.0	38.	38.	45.	3.E	0. E	0.
	SPK0291			IST	120 36.0					N	.57 N	1.0
SCOTTS FLAT	CA00253	DEER CREEK	I R S	NEVADA IRR D	39 16.4	120.0	671.	140.	165.	49.E	0. E	0.
	SPK0292			IST	120 55.7					N	12.98 N	24.3
JACKSON MEADOWS	CA00254	MIDDLE FK YUBA R	H I R	NEVADA IRR D	39 30.6	38.0	123.	146.	172.	69.E	0. E	0.
	SPK0293	IVER	S	IST	120 33.3					N	3.10 N	6.8
ROLLINS	CA00255	BEAR RIVER	H I R		39 8.2	104.0	398.	215.	225.	66.E	0. E	0.
	SPK0294		S		120 57.0					N	11.00 N	50.0
FAUCHERIE	CA00256	CANYON CREEK	H I R	NEVADA IRR D	39 25.6	10.0	23.	36.	42.	6.E	0. E	0.
	SPK0295		S	IST	120 33.9					N	.29 N	.5
DUTCH FLAT AFTER BAY	CA00257	BEAR RIVER	H I R	NEVADA IRR D	39 12.8	215.0	248.	128.	151.	1.E	0. E	0.
	SPK0296		S	IST	120 50.6					N	23.01 N	55.4
DUTCH FLAT 2 FOR EBAY	CA00258	TRI BEAR RIVER	H I R	NEVADA IRR D	39 13.4	215.0	406.	590.	72.	0.E	23.40 E	120.0
	SPK0297		S	IST	120 50.0					N	82.38 N	134.5
FULLER LAKE	CA00351	JORDAN CREEK	H	PACIFIC GAS	39 20.7	71.0	234.	318.	33.	1.E	0. E	0.
	SPK0298			** ELECT CO	120 38.9					N	17.59 N	31.2
LAKE FORDYCE	CA00357	FORDYCE CREEK	H	PACIFIC GAS	39 22.8	32.0	140.	105.	123.	47.E	0. E	0.
	SPK0299			** ELECT CO	120 29.7					N	2.41 N	4.5
LAKE SPAULDING	CA00358	SOUTH FK YUBA RI	H	PACIFIC GAS	39 19.6	189.0	203.	197.	260.	74.E	10.75 E	58.0
	SPK0300	VER		** ELECT CO	120 38.5					N	0. N	0.
LAKE STERLING	CA00359	TRI FORDYCE CREE	H	PACIFIC GAS	39 21.0	32.0	140.	16.	19.	2.E	0. E	0.
	SPK0301	K		** ELECT CO	120 29.5					N	.52 N	1.2
LAKE VAN NORDEN	CA00362	SOUTH YUBA RIVER	H	PACIFIC GAS	39 19.2	12.0	203.	19.	22.	6.E	0. E	0.
	SPK0302			** ELECT CO	120 22.6					N	.18 N	.3

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PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

(07/09/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: NEVADA					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
MEADOW LAKE	CA00366	TRI FORDYCE CREE	H	PACIFIC GAS	39 24.0	2.0	50.	28.	33.	5.	0. E	0.
	SPK0303	K		** ELECT CO	120 29.9						.05 N	.1
NEW DRUM AFTERBA	CA00421	BEAR RIVER	H	PACIFIC GAS	39 15.3	194.0	559.	75.	88.	0.	0. E	0.
Y	SPK5002			** ELECT CO	120 46.4						4.93 N	21.3
DONNER LAKE	CA00537	DONNER CR	S I H	SIERRA PAC P	39 19.4	15.0	34.	12.	14.	11.	0. E	0.
	SPK0304			OWER CO ETAL	120 14.2						.15 N	.3
OUR HOUSE	CA00864	M FK YUBA R	D I R	YUBA CTY WAT	39 24.8	145.0	365.	42.	49.	0.	0. E	0.
	SPK0305		H	ER AGENCY	120 59.6						3.12 N	7.6
ANTHONY HOUSE	CA00964	DEER CREEK	S	LAKE WILDWOO	39 14.1	80.0	133.	54.	63.	4.	0. E	0.
	SPK0306			D ASSN	121 13.2						1.71 N	3.1
MAGNOLIA	CA00966	MAGNOLIA CR	S	LAKE OF THE	39 2.3	4.0	9.	51.	60.	4.	0. E	0.
	SPK0307			PINES ASSN	121 3.7						.17 N	.3
CHICAGO PARK FOR	CA08002	BEAR RIVER	H	NEVADA IRRIG	39 10.2	215.0	640.	470.	0.	0.	37.35 E	140.0
EBAY	SPK0308			ATION DIST.	120 55.1						46.92 N	62.8
FARAD POWERHOUSE	CA08007	TRUCKEE RIVER	H	SIERRA PACIF	39 24.8	961.0	802.	83.	0.	0.	2.80 E	14.0
	SPK0309			IC POWER CO.	120 1.0						0. N	0.
DEER CREEK POWER	CA08021	DEER CREEK	H	PG AND E	39 17.0	-0.	0.	837.	-0.	0.	5.50 E	30.6
HOUSE	SPK0310				120 50.6						71.95 N	114.7
MARTIS CREEK LAK	CA10106	MARTIS CREEK	CR	DAEN SPK	39 19.6	40.0	16.	62.	108.	35.	0. E	0.
E	SPK0311				120 6.7						1.20 N	2.6
BOCA RESERVOIR	CA10135	LITTLE TRUCKEE R	IROHS	DOI USBR	39 23.3	180.0	190.	68.	93.	41.	0. E	0.
	SPK0312	IVER			120 5.7						1.63 N	6.6
PROSSER CREEK RE	CA10179	PROSSER CREEK	HCORI	DOI USBR	39 22.8	50.0	77.	92.	133.	41.	0. E	0.
SERVOIR	SPK0313		S		120 8.4						2.22 N	4.9

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PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

(07/09/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: PLACER					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
AUBURN DAM	CAU0044	AMERICAN RIVER	IHCSR		38 52.0	982.0	2200.	660.	700.	2500.*U	0. *U	0.
	SPK0314				121 3.4					*T	425.96*T	915.0
AUBURN RAVINE	CAU0045	AUBURN RAVINE			38 54.0	8.0	13.	175.	0.	11.*U	0. *U	0.
	SPK0315				121 9.0					*T	.89*T	1.5
CLOVER VALLEY	CAU0087	CLOVER VALLEY	ISR		38 49.5	3.0	8.	114.	154.	32.*U	0. *U	0.
	SPK0316				121 14.0					*T	.33*T	.5
COON CREEK	CAU0093	COON CREEK	I		38 58.5	40.0	93.	207.	207.	59.*U	0. *U	0.
	SPK0317				121 13.5					*T	3.98*T	9.6
DOTY RAVINE	CAU0112	TRIB OF COON CRE			39 56.0	13.0	24.	78.	105.	32.*U	0. *U	0.
	SPK0318	EK			121 14.0					*T	.80*T	1.1
FORBES	CAU0124	FORBES CRK			39 8.0	2.0	5.	92.	125.	5.*U	0. *U	0.
	SPK0319				120 45.5					*T	.18*T	.3
LINCOLN	CAU0184	COON CREEK			38 58.0	72.0	110.	44.	60.	15.*U	0. *U	0.
	SPK0320				121 17.5					*T	1.37*T	2.3
PAGGE	CAU0232	PAGGE CRK			39 6.0	6.0	14.	207.	280.	69.*U	0. *U	0.
	SPK0321				120 48.0					*T	1.02*T	1.9
SOUTH HONCUT CRE EK	CAU0282	SOUTH HONCUT CRE			39 23.5	31.0	72.	124.	168.	38.*U	0. *U	0.
	SPK0322	EK			121 21.0					*T	2.64*T	5.1
SUGAR PINE	CAU0292	NORTH SHIRTTAIL			39 8.5	9.0	20.	97.	131.	10.*U	0. *U	0.
	SPK0323	CANYON			120 48.0					*T	.72*T	1.3
WHITNEY RANCH	CAU0318	PLEASANT GROVE C			38 49.0	6.0	14.	48.	65.	10.*U	0. *U	0.
	SPK0324	REEK			121 16.0					*T	.27*T	.4
CAMPFAR WEST	CA00227	REAR RIVER	IR	SOUTH SUTTER	39 3.0	280.0	464.	165.	181.	130.*E	0. *E	0.
	SPK0325			WATER DIST	121 18.9					*N	6.00*N	24.5

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PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: PLACER					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
DRUM FOREBAY	CA00350	DRUM CANAL	H	PACIFIC GAS	39 14,9	194,0	559,*	1375,*	48,*	1,*E	93,30*E	280,0
	SPK0326			ELECT CO	120 44,9					*N	0, *N	0,
HALSEY FOREBAY	CA00352	DRY CREEK	H	PACIFIC GAS	38 58,3	299,0	116,*	320,*	37,*	0,*E	12,00*E	66,6
	SPK0327			ELECT CO	121 2,3					*N	50,88*N	68,5
LAKE ALTA	CA00355	TRI N FK AMER RV	I S	PACIFIC GAS	39 12,3	203,0	604,*	660,*	20,*	0,*E	2,00*E	6,4
	SPK0328	(BROADMN CNL)		ELECT CO	120 48,8					*N	109,73*N	262,4
LAKE ARTHUR	CA00356	SOUTH FK DRY CRE	I S	PACIFIC GAS	38 57,8	2,0	5,*	32,*	38,*	0,*E	0, *E	0,
	SPK0329	EK		ELECT CO	121 1,4					*N	,06*N	,1
LAKE VALLEY	CA00361	TRI N FK AMERICA	H I	PACIFIC GAS	39 18,0	5,0	11,*	838,*	69,*	8,*E	0, *E	0,
	SPK0330	N RIVER		ELECT CO	120 35,9					*N	2,82*N	5,9
L L ANDERSON	CA00856	M FK AMERICAN R	S D I	PLACER CTY W	39 6,7	57,0	25,*	639,*	202,*	134,*E	15,30*E	75,3
	SPK0331		R	ATER AGENCY	120 28,1					*N	0, *N	0,
LOWER HELL HOLE	CA00857	RUBICON R	S D I	PLACER CTY W	39 3,5	114,0	27,*	332,*	390,*	208,*E	0, *E	0,
	SPK0332		H	ATER AGENCY	120 24,4					*N	24,39*N	36,3
INTERBAY	CA00858	M FK AMERICAN R	S H	PLACER CTY W	39 1,6	214,0	105,*	1344,*	49,*	0,*E	79,20*E	476,3
	SPK0333			ATER AGENCY	120 36,1					*N	0, *N	0,
RALSTON AFTERBAY	CA00859	M FK AMERICAN R	S D I	PLACER CTY W	39 ,2	429,0	1132,*	89,*	45,*	3,*E	6,57*E	36,5
	SPK0334		H	ATER AGENCY	120 44,7					*N	18,52*N	17,4
WISE POWERHOUSE	CA08019	AUBURN RAVINE	H	PACIFIC GAS	38 53,9	305,0	648,*	519,*	0,*	0,*E	12,00*E	75,0
	SPK0335			AND ELEC,	121 6,7					*N	92,03*N	148,5
DUTCH FLAT NO,1 POWERHOUSE	CA08020	BEAR RIVER	H	PG AND E	39 13,0	=0,	0,*	643,*	=0,*	0,*E	22,00*E	54,8
	SPK0336				120 50,2					*N	93,28*N	222,6
LJ STEPHENSON (M ,FK) PH	CA08030	M,FK AMERICAN	H	PLACER CTY W	39 1,0	=0,	0,*	2101,*	=0,*	0,*E	109,80*E	650,0
	SPK0337			ATER AGENCY	129 36,1					*N	0, *N	0,

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PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: **PLACER**					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
NORTH FORK LAKE	CA10110	NORTH FORK AMERI	DR	DAEN SPK	38 56,2	342,0*	840,*	132,*	155,*	15,*E	0, *E	0,
	SPK0338	CAN RIVER			121 1,4					*N	29,61*N	63,6
LAKE TAHOE	CA10162	TRUCKEE RIVER	ISO	DOI USBR	39 10,0	519,0*	190,*	10,*	10,*	732,*E	0, *E	0,
	SPK0339				120 8,6					*N	,30*N	1,3
COUNTY NAME: **PLUMAS**					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
ABBEY BRIDGE	CAU0034	RED CLOVER CRK			39 38,5	96,0*	105,*	68,*	92,*	45,*U	0, *U	0,
	SPK0340				120 33,0					*T	2,20*T	4,8
CLIO	CAU0085	MF FEATHER RIVER			39 49,0	686,0*	290,*	107,*	145,*	100,*U	0, *U	0,
	SPK0341				120 37,5					*T	3,30*T	11,6
DIXIE REFUGE	CAU0111	LAST CHANCE CRK	R		40 5,0	44,0*	36,*	57,*	70,*	16,*U	0, *U	0,
	SPK0342				120 21,0					*T	,86*T	1,2
GENESEE	CAU0136	INDIAN CREEK			40 3,0	530,0*	510,*	190,*	28,*	60,*U	0, *U	0,
	SPK0343				120 48,0					*T	29,78*T	67,0
HUMBUG VALLEY	CAU0151	YELLOW CRK			40 6,0	32,0*	58,*	69,*	94,*	55,*U	0, *U	0,
	SPK0344				121 11,5					*T	1,46*T	2,2
INDIAN FALLS	CAU0156	INDIAN CREEK			40 2,0	746,0*	557,*	490,*	0,*	0,*U	0, *U	0,
	SPK0345				121 1,0					*T	99,73*T	171,2
MEADOW VALLEY	CAU0201	SPANISH CRK			39 57,0	70,0*	504,*	1675,*	464,*	900,*U	0, *U	0,
	SPK0346				121 0,					*T	147,66*T	607,0
NELSON POINT	CAU0217	MF FEATHER RIVER	IR		39 51,0	202,0*	297,*	360,*	365,*	116,*U	0, *U	0,
	SPK0347				120 54,5					*T	32,24*T	65,7
ROCK CREEK	CAU0256	ROCK CREEK			39 55,5	30,0*	54,*	122,*	165,*	21,*U	0, *U	0,
	SPK0348				121 1,5					*T	2,19*T	3,4

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PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

(07/09/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: **PLUMAS**					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
SQUAW QUEEN	CA00288	LAST CHANCE CRK	HR		40 3.0	198.0	291.	1680.	174.	100.	U 0.	U 0.
	SPK0349				120 34.5						T 147.46	T 300.5
TURNTABLE	CA00304	NF FEATHER RIVER	HIR		39 51.5	200.0	294.	201.	245.	48.	U 0.	U 0.
	SPK0350				120 52.0						T 17.86	T 36.4
YELLOW CRK	CA00325	YELLOW CRK			40 1.0	35.0	64.	2147.	0.	115.	U 0.	U 0.
	SPK0351				121 15.0						T 59.63	T 79.4
FRENCHMAN LAKE	CA00032	LIT LAST CHANCE		CAL DEPT WAT	39 53.5	82.0	29.	94.	110.	51.	E 0.	E 0.
	SPK0352	CR		ER RES	120 11.2						N 2.09	N 3.4
ANTELOPE VALLEY RESERVOIR	CA00037	INDIAN CREEK	R	CAL DEPT WAT	40 10.8	71.0	69.	77.	90.	22.	E 0.	E 0.
	SPK0353			ER RES	120 36.4						N 6.10	N 26.6
LAKE DAVIS (GRIZZLY VALLEY)	CA00039	BIG GRIZZLY CREEK	R S	CAL DEPT WAT	39 52.9	44.0	38.	89.	105.	83.	E 0.	E 0.
	SPK0354	K		ER RES	120 28.5						N 1.35	N 1.9
LITTLE GRASS VALLEY	CA00269	S FK FEATHER RIV	H I S	OROVILLE WYA	39 43.3	27.0	99.	163.	192.	93.	E 0.	E 0.
	SPK0355	ER		NDOTTE I D	121 1.3						N 2.73	N 5.6
SOUTH FORK DIV	CA00270	S FK FEATHER RIV	H I S	OROVILLE WYA	39 38.8	39.0	160.	39.	46.	0.	E 0.	E 0.
	SPK0356	ER		NDOTTE I D	121 7.1						N 1.19	N 2.1
SLATE CREEK DIVERSION	CA00271	SLATE CREEK	H I S	OROVILLE WYA	39 37.0	50.0	222.	49.	58.	1.	E 0.	E 0.
	SPK0357			NDOTTE I D	121 2.9						N 1.68	N 3.3
BUTT VALLEY RESERVOIR	CA00326	BUTT CREEK	H I	PACIFIC GAS	40 6.9	578.0	84.	1150.	72.	50.	E 184.80	E 355.9
	SPK0358			+ ELECT CO	121 8.8						N 0.	N 0.
LAKE ALMANOR	CA00327	N FK FEATHER RIV	H I	PACIFIC GAS	40 10.5	503.0	916.	358.	115.	1308.	E 36.00	E 84.2
	SPK0359	ER		+ ELECT CO	121 5.5						N 0.	N 0.
CRESTA FOREBAY	CA00329	N FK FEATHER RIV	H	PACIFIC GAS	39 52.6	1820.0	2900.	290.	66.	4.	E 67.50	E 330.5
	SPK0360	ER		+ ELECT CO	121 22.3						N 0.	N 0.

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P R E L I M I N A R Y E S T I M A T E S (07/09/79)

P O T E N T I A L H Y D R O P O W E R S I T E S

I N T H E S T A T E O F C A L I F O R N I A

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: PLUMAS					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
ROCK CREEK	CA00330	N FK FEATHER RIV	H	PACIFIC GAS	39 59,2	1760.0	2450.	535.	78.	5.E	113.40E	482.5
	SPK0361	ER		ELECT CO	121 16,9					N	0. N	0.
LOWER BUCKS LAKE (BUCKS DIVERSIO	CA00331	BUCKS CREEK	H I	PACIFIC GAS	39 54,1	31.0	56.	706.	92.	6.E	0. E	0.
	SPK0362			ELECT CO	121 13,6					N	17.37N	23.1
BUCKS LAKE (STORAGE)	CA00332	BUCKS CREEK	H I	PACIFIC GAS	39 53,8	31.0	56.	92.	108.	103.E	0. E	0.
	SPK0363			ELECT CO	121 12,1					N	1.78N	2.7
GRIZZLY FOREBAY	CA00333	GRIZZLY CREEK	H I	PACIFIC GAS	39 53,5	31.0	234.	2558.	82.	1.E	66.00E	241.3
	SPK5003			ELECT CO	121 17,3					N	0. N	0.
CARIBOU AFTERBAY (BELDEN FOREBAY	CA00413	N FK FEATHER RIV	H	PACIFIC GAS	40 4,7	612.0	1321.	770.	139.	2.E	117.90E	245.3
	SPK0364	ER		ELECT CO	121 9,6					N	0. N	0.
BIDWELL LAKE	CA00530	NORTH CANYON CR	S D I	BIDWELL WATE	40 6,8	9.0	16.	25.	29.	5.E	0. E	0.
	SPK0365			R CO	120 57,7					N	.16N	.2
BELDEN POWERHOUSE	CA08022	NORTH FORK FEATH	H	PACIFIC GAS	40 0.	-0.	0.	770.	-0.	0.E	117.90E	245.3
	SPK0366	ER RIVER		ELECT CO	121 13,0					N	0. N	0.
COUNTY NAME: RIVERSIDE					FERC POWER SUPPLY AREA 47			FERC REGIONAL OFFICE CODE SF				
PERRIS	CA00054	OFFSTREAM	IRS	CAL DEPT WAT	33 51,5	10.0	5.	100.	120.	131.E	0. E	0.
	SPL0103			ER RES	117 11,0					N	.15N	.3
MATHEWS	CA00212	TRI CAJALCO CREE	S	METROPOLITIA	33 50,0	40.0	950.	211.	250.	186.E	0. E	0.
	SPL0104	K		N WATER DIST	117 27,6					N	1.25N	3.8
ROBERT A SKINNER	CA00223	TUCALOTA CREEK	S	METROPOLITAN	33 35,2	51.0	750.	93.	109.	44.E	0. E	0.
	SPL0105			WATER DIST	117 4,3					N	.13N	.2
LAKE HEMET	CA00763	S FK SAN JACINTO	S D I	LK HEMET MUN	33 39,9	66.0	8.	112.	132.	14.E	0. E	0.
	SPL0106	CR		WATER DIST	116 42,3					N	.38N	.4

L E G E N D

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PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

(07/09/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: **RIVERSIDE**					FERC POWER SUPPLY AREA 47		FERC REGIONAL OFFICE CODE SF					
RAILROAD CANYON	CA00765 SPL0107	SAN JACINTO R	S I	TEMESCAL WAT ER CO	33 40,5 117 16,3	718,0	6,*	71,*	84,*	12,*E *N	0, *E ,29*N	0, ,3
VAIL	CA00770 SPL0108	TEMECULA CR	S D I	RANCHO CALIF ORNIA	33 29,7 116 58,6	319,0	10,*	122,*	143,*	51,*E *N	0, *E ,10*N	0, ,2
COUNTY NAME: **SACRAMENTO**					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
COUNTY LINE	CA00095 SPK0367	DEER CREEK			38 34,5 121 2,0	35,0	46,*	59,*	80,*	40,*U *T	0, *U 1,74*T	0, 1,4
HUTSON SCHOOL	CA00154 SPK0368	DRY CREEK			38 15,5 121 9,2	304,0	176,*	59,*	73,*	0,*U *T	0, *U 2,12*T	0, 3,7
VINEYARD	CA06095 SPK0369	MORRISON CREEK			38 28,0 121 18,0	23,0	30,*	27,*	38,*	11,*U *T	0, *U ,52*T	0, ,4
RANCHO SECO	CA00825 SPK0370	TR HADSELVILLE C R	S H	SACRAMENTO M UD	38 20,1 121 6,0	2,0	5,*	43,*	50,*	3,*E *N	0, *E ,08*N	0, ,1
FOLSOM LAKE	CA10148 SPK0371	AMERICAN RIVER	ISHCN RO	DOI USBR	38 42,5 121 9,4	1875,0	3779,*	300,*	275,*	1120,*E *N	198,72*E 0, *N	702,7 0,
NIMBUS (LAKE NATOMA)	CA10174 SPK0372	AMERICAN RIVER	CO	DOI USBR	38 37,8 121 13,4	51,0	89,*	39,*	47,*	10,*E *N	13,50*E 0, *N	91,1 0,
COUNTY NAME: **SAN BENITO**					FERC POWER SUPPLY AREA 47		FERC REGIONAL OFFICE CODE SF					
HERNANDEZ	CA00848 SPL0109	SAN BENITO R	SIR	SAN BENITO C TY FCWCD	36 23,7 120 50,1	85,0	10,*	89,*	120,*	28,*E *N	0, *E ,07*N	0, ,1

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PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

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COUNTY NAME: SAN BERNARDINO					FERC POWER SUPPLY AREA 47					FERC REGIONAL OFFICE CODE SF		
LAKE SILVERWOOD	CA00049	W FK MOJAVE RIVE	I R S	CAL DEPT WAT	32 18.4	34.0	6.	179.	213.	75. E	0. E	0.
CEDARSPRINGS	SPL0110	R		ER RES	117 18.7					N	.33 N	.6
COPPER BASIN	CA00214	COPPER BASIN	S	METROPOLITAN	34 16.7	8.0	1700.	147.	180.	24. E	0. E	0.
	SPL0111			WATER DIST	114 13.8					N	.08 N	.3
(BIG BEAR LAKE)	CA00757	BEAR CR	S R	BEAR VAL MUT	34 14.5	38.0	30.	45.	53.	72. E	0. E	0.
BEAR VALLEY	SPL0112			WATER DIST	116 58.6					N	.32 N	.8
LAKE ARROWHEAD	CA00759	LITTLE BEAR CR	D I R	LAKE ARROWHE	34 15.7	7.0	3.	154.	181.	48. E	0. E	0.
	SPL0113			AD LAND CORP	117 10.0					N	.16 N	.3
COUNTY NAME: SAN DIEGO					FERC POWER SUPPLY AREA 47					FERC REGIONAL OFFICE CODE SF		
BARRETT	CA00106	COTTONWOOD CREEK	S	CITY OF SAN	32 40.7	249.0	13.	128.	151.	45. E	0. E	0.
	SPL0114			DIEGO	116 40.2					N	.46 N	.4
LAKE HODGES	CA00108	SAN DIEGUITO RIV		CITY OF SAN	33 2.7	303.0	18.	99.	116.	34. E	0. E	0.
	SPL0115	ER		DIEGO	117 7.7					N	.43 N	.4
LOWER OTAY RESER	CA00109	OTAY RIVER	S	CITY OF SAN	32 36.6	99.0	17.	117.	138.	56. E	0. E	0.
VOIR SAVAGE	SPL0116			DIEGO	116 55.6					N	.63 N	1.2
MORENA	CA00110	COTTONWOOD CREEK	S	CITY OF SAN	32 41.1	114.0	3.	142.	167.	50. E	0. E	0.
	SPL0117			DIEGO	116 33.0					N	.15 N	.2
EL CAPITAN	CA00111	SAN DIEGO RIVER	S	CITY OF SAN	32 53.0	190.0	11.	167.	197.	116. E	0. E	0.
	SPL0118			DIEGO	116 48.6					N	.45 N	.4
SAN VICENTE	CA00113	SAN VICENTE CR	S	CITY OF SAN	32 54.7	75.0	11.	162.	190.	90. E	0. E	0.
	SPL0119			DIEGO	116 55.5					N	.49 N	.6
HENSHAW	CA00283	SAN LUIS REY RIV	I	VISTA IRR DI	33 14.4	205.0	30.	94.	110.	204. E	0. E	0.
	SPL0120	ER		ST	116 45.7					N	.78 N	.9

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PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

(07/09/79)

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COUNTY NAME: SAN DIEGO						FERC POWER SUPPLY AREA 47		FERC REGIONAL OFFICE CODE SF				
SWEETWATER(RESER	CA00775	SWEETWATER R	S D I	CALIF-AMERIC	32 41.5	182.0	11.	84.	99.	28.*E	0. *E	0.
VOIR)	SPL0121			AN WATER CO	117 .4					*N	.22*N	.2
LAKE LOVELAND	CA00776	SWEETWATER R	S D I	CALIF-AMERIC	32 46.9	98.0	15.	166.	195.	28.*E	0. *E	0.
	SPL0122			AN WATER CO	116 47.6					*N	.66*N	.8
COUNTY NAME: SAN JOAQUIN						FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF				
CAMANCHE RESERVO	CA00173	MOKELUMNE RIVER	H S	EAST BAY M U	38 13.5	621.0	832.	107.	145.	432.*E	0. *E	0.
IR	SPK0373			DIST	121 1.2					*N	6.00*N	30.0
WOODBRIDGE DIVER	CA00285	MOKELUMNE RIVER	I R	WOODBRIDGE I	38 9.4	661.0	1111.	9.	10.	2.*E	0. *E	0.
SION	SPK0374			RR DIST	121 17.8					*N	.49*N	2.1
FARMINGTON DAM	CA10104	ROCK AND LITTLEJ	C	DAEN SPK	37 54.4	212.0	122.	39.	53.	120.*E	0. *E	0.
	SPK0375	OHN CREEKS			120 56.0					*N	1.27*N	1.9
COUNTY NAME: SAN LUIS OBISPO						FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE				
NACIEMENTO	CAU0327	NACIEMENTO RIVER		MONTEREY COU	35 45.6	324.0	92.	137.	185.	350.*U	0. *U	0.
	SPN0028			NTY FCWCD	120 52.4					*T	2.72*T	4.0
SALINAS	CAU0331	SALINAS	IC	CORPS	35 18.0	113.0	20.	111.	130.	26.*U	0. *U	0.
	SPN0029				120 30.0					*T	.52*T	.9
WHALE ROCK	CA00029	OLD CREEK		CAL DEPT OF	35 26.9	20.0	11.	150.	176.	40.*E	0. *E	0.
	SPL0123			FINANCE	120 53.1					*N	.48*N	.5
NACIMIENTO	CA00812	NACIMIENTO R	S D I	MONTEREY CTY	35 45.5	324.0	200.	157.	185.	350.*E	0. *E	0.
	SPL0124		R	FCWCD	120 53.0					*N	21.82*N	23.3
LOPEZ	CA00887	ARROYO GRANDE CR	S D I	SAN LUIS OBI	35 11.3	68.0	19.	128.	150.	51.*E	0. *E	0.
	SPL0125			SPO CO FCWCD	120 29.2					*N	.36*N	.7

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POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

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COUNTY NAME: SAN LUIS OBISPO					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
SALINAS RESERVOI	CA10026	SALINAS RIVER	S	SAN LUIS OBI	35 20.2	112.0	20.	95.	128.	43.*E	0. *E	0.
R UPPER SALINAS	SPL0126			SPO COUNTY	120 30.1					*N	.47*N	.5
SALINAS(RESERVOI	CA10202	SALINAS RIVER	S	CORPS OF ENG	35 20.0	111.0	20.	78.	106.	50.*E	0. *E	0.
R) DAM	SPL0127			INEERS	120 30.0					*N	.39*N	.4
COUNTY NAME: SAN MATEO					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
PESCADERO	CAU0031	PESCADERO CR			36 24.0	38.0	33.	154.	208.	54.*U	0. *U	0.
	SPN0030				122 42.0					*T	1.68*T	2.8
CRYSTAL SPRING R	CA00127	SAN MATEO CREEK	S	CITY COUNTY	37 39.2	25.0	6.	111.	131.	54.*E	0. *E	0.
ESERVIOR	SPN0031			S FRANCISCO	122 21.7					*N	.56*N	.5
PILARCITOS LAKE	CA00128	PILARCITOS CREEK	S	CITY COUNTY	37 32.9	4.0	6.	82.	97.	3.*E	0. *E	0.
	SPN0032			S FRANCISCO	122 25.4					*N	.12*N	.2
SAN ANDREAS LAKE	CA00129	SAN ANDREAS CREE	S	CITY COUNTY	37 34.8	4.0	6.	82.	97.	19.*E	0. *E	0.
	SPN0033	K		S FRANCISCO	122 24.7					*N	.12*N	.2
COUNTY NAME: SANTA BARBARA					FERC POWER SUPPLY AREA 47			FERC REGIONAL OFFICE CODE SF				
GIBRALTER	CA00138	SANTA YNEZ RIVER	S	CITY OF SANT	34 31.6	216.0	62.	121.	142.	15.*E	0. *E	0.
	SPL0128			A BARBARA	119 41.2					*N	1.54*N	1.7
JAMESON LAKE JUN	CA00211	SANTA YNEZ RIVER	S	MONTECITO CO	34 39.5	14.0	6.	114.	134.	6.*E	0. *E	0.
CAL	SPL0129			WATER DIST	119 30.4					*N	.25*N	.4
ALISAL CREEK	CA00731	ALISAL CR	S D I	PETAN CO	34 32.8	8.0	6.	66.	78.	2.*E	0. *E	0.
	SPL0130		R		120 8.1					*N	.18*N	.2
LAKE CACHUMA-BRA	CA10136	SANTA YNEZ RIVER	ISR	DOI USBR	34 35.0	417.0	72.	162.	201.	240.*E	0. *E	0.
DBURY	SPL1408				119 58.8					*N	2.15*N	2.2

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COUNTY NAME: SANTA CLARA					FERC POWER SUPPLY AREA 47		FERC REGIONAL OFFICE CODE					
COYOTE RESERVIOR	CA00287	COYOTE CREEK	I	SANTA CLARA	37 9.1	116.0	44.*	97.*	114.*	25.*E	0. *E	0.
	SPN0034			COUNTY FCWD	121 32.9					*N	.75*N	1.6
CALERO RESERVIOR	CA00288	CALERO CREEK	I R S	SANTA CLARA	37 11.0	7.0	7.*	71.*	84.*	9.*E	0. *E	0.
	SPN0035			COUNTY FCWD	121 47.5					*N	.19*N	.2
ALMADEN RESERVIOR	CA00289	ALMADEN CREEK	I	SANTA CLARA	37 9.9	13.0	15.*	87.*	102.*	2.*E	0. *E	0.
	SPN0036			COUNTY FCWD	121 49.7					*N	.43*N	.5
GUADALUPE RESERVIOR	CA00290	GUADALUPE CREEK	I	SANTA CLARA	37 11.9	6.0	6.*	112.*	132.*	3.*E	0. *E	0.
	SPN0037			COUNTY FCWD	121 52.7					*N	.26*N	.3
STEVEN CREEK RESERVIOR	CA00292	STEVENS CREEK	I	SANTA CLARA	37 17.9	18.0	13.*	95.*	112.*	4.*E	0. *E	0.
	SPN0038			COUNTY FCWD	122 4.6					*N	.65*N	.8
LEXINGTON RESERVIOR	CA00293	LOS GATOS CREEK	I	SANTA CLARA	37 12.1	38.0	45.*	174.*	205.*	21.*E	0. *E	0.
	SPN0039			COUNTY FCWD	121 59.3					*N	1.34*N	1.2
RELOY ANDERSON LAKE	CA00294	COYOTE CREEK	I S	SANTA CLARA	37 10.0	193.0	45.*	200.*	235.*	91.*E	0. *E	0.
	SPN0040			COUNTY FCWD	121 37.7					*N	2.58*N	5.5
COUNTY NAME: SANTA CRUZ					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE 9F					
SOQUEL	CAU0030	SOQUEL CREEK			37 .2	32.0	36.*	174.*	235.*	71.*U	0. *U	0.
	SPN0041				122 54.0					*T	1.13*T	1.0
COUNTY NAME: SHASTA					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE 9F					
BATTLE CREEK DIVERSION DAM	CAU0051	BATTLE CREEK			40 25.2	332.0	511.*	169.*	229.*	45.*U	0. *U	0.
	SPK0376				122 1.6					*T	23.42*T	54.7
BELLA VISTA	CAU0054	LITTLE COW CREEK	ORC		40 36.1	120.0	147.*	125.*	162.*	400.*U	0. *U	0.
	SPK0377				122 13.6					*T	3.18*T	9.4

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COUNTY NAME: SHASTA					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
BIG SPRINGS NO 3	CA00057	MCCLOUD RIVER			41 11,0	369,0	959,*	297,*	0,*	0,*U	0, *U	0,
	SPK0378				122 4,0					*T	39,14*T	205,7
BURNEY	CA00068	BURNEY CRK	I		40 47,0	95,0	83,*	74,*	100,*	5,*U	0, *U	0,
	SPK0379				121 44,0					*T	,81*T	4,4
CHONTON TUBAS	CA00082	MCCLOUD RIVER			41 1,5	604,0	1570,*	258,*	0,*	52,*U	0, *U	0,
	SPK0380				122 12,5					*T	55,65*T	292,5
CLOVER	CA00086	CLOVER CREEK			40 34,0	2,0	6,*	69,*	93,*	100,*U	0, *U	0,
	SPK0381				122 7,5					*T	,05*T	,3
DUTCH GULCH RESE RVOIR	CA00113	COTTONWOOD CREEK	CSIRO		40 22,8	395,0	453,*	189,*	245,*	1100,*U	0, *U	0,
	SPK0382				122 29,5					*T	45,83*T	89,8
FALL RIVER MILLS	CA00121	PIT RIVER			41 1,0	2754,0	477,*	84,*	113,*	175,*U	0, *U	0,
	SPK0383				120 26,0					*T	3,52*T	14,9
FIDDLERS LAKE	CA00122	MIDDLE FORK COTT	CIR		40 19,9	222,0	331,*	243,*	300,*	310,*U	0, *U	0,
	SPK0384	DNWOOD CREEK			122 39,6					*T	26,72*T	47,9
GAS POINT (M=5)	CA00135	NORTH FORK COTTO			40 22,8	388,0	703,*	149,*	202,*	490,*U	0, *U	0,
	SPK0385	NWOOD CREEK			122 30,9					*T	35,49*T	69,5
GIRVAN RESERVOIR COTTONWOOD PWRH	CA00137	CLEAR CRK			40 31,0	238,0	335,*	52,*	70,*	26,*U	0, *U	0,
	SPK0386				122 23,5					*T	1,56*T	6,0
HULEN LAKE	CA00150	NORTH FORK COTTO	CIR		40 27,1	86,0	106,*	164,*	222,*	331,*U	0, *U	0,
	SPK0387	NWOOD CREEK			122 33,4					*T	3,15*T	9,0
KANAKA	CA00170	CLEAR CRK			40 32,0	226,0	321,*	340,*	460,*	415,*U	0, *U	0,
	SPK0388				122 31,5					*T	37,94*T	62,6
LOWER COTTONWOOD (M=1)	CA00192	COTTONWOOD CREEK			40 22,4	877,0	819,*	171,*	231,*	3540,*U	0, *U	0,
	SPK0389	MAIN STEM			122 18,6					*T	48,38*T	79,3

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PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

(07/09/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: SHASTA					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
M=2	CAU0193	NORTH FORK COTTO			40 22.4	470.0	851.	159.	215.	1625.*U	0. *U	0.
	SPK0390	NWOOD CREEK			122 24.2					*T	45.76*T	89.6
MID=1	CAU0204	MIDDLE FORK COTT			40 22.9	247.0	130.	140.	190.	223.*U	0. *U	0.
	SPK0391	ONWOOD CREEK			120 32.9					*T	2.01*T	7.7
MILLVILLE LAKE	CAU0211	SOUTH COW CREEK			40 32.8	85.0	104.	141.	181.	160.*U	0. *U	0.
	SPK0392				122 6.5					*T	2.97*T	7.8
MILLVILLITO	CAU0212	SOUTH COW CREEK			40 32.4	163.0	251.	183.	247.	150.*U	0. *U	0.
	SPK0393				122 7.8					*T	4.20*T	20.4
OAK RUN DIVERSIO N	CAU0224	OAK RUN			40 1.0	11.0	14.	59.	80.	5.*U	0. *U	0.
	SPK0394				122 2.5					*T	.39*T	.4
OLD COW	CAU0227	OLD COW CRK			40 34.0	75.0	92.	107.	145.	18.*U	0. *U	0.
	SPK0395				122 5.5					*T	2.90*T	5.8
PALO CEDRO RESER VOIR	CAU0234	COW CREEK			40 28.3	433.0	589.	64.	87.	160.*U	0. *U	0.
	SPK0396				122 13.7					*T	4.71*T	23.6
PIT NO.2	CAU0245	PIT RIVER			41 0.	4150.0	1541.	103.	0.	0.*U	0. *U	0.
	SPK0397				121 34.0					*T	34.69*T	106.8
SAELTZER LAKE	CAU0262	CLEAR CREEK			40 35.0	231.0	325.	178.	241.	200.*U	0. *U	0.
	SPK0398				122 31.1					*T	20.14*T	33.2
SALZMAN (M=3)	CAU0266	NORTH FORK COTTO			40 22.6	431.0	780.	126.	170.	620.*U	0. *U	0.
	SPK0399	NWOOD CREEK			122 24.6					*T	33.18*T	65.0
SELVESTER	CAU0270	MF COTTONWOOD CR			40 24.0	30.0	33.	400.	0.	322.*U	0. *U	0.
	SPK0400	EEK			122 45.5					*T	2.97*T	6.1
SUGAR LOAF	CAU0291	HAT CREEK			40 44.0	155.0	135.	595.	0.	0.*U	0. *U	0.
	SPK0401				121 26.0					*T	10.67*T	58.2

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(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

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COUNTY NAME: SHASTA					FERC POWER SUPPLY AREA 46					FERC REGIONAL OFFICE CODE SF		
TOWERHOUSE	CA00303	CLEAR CREEK			40 40.0	180.0	253.	400.	0.	468.*U	0. *U	0.
	SPK0402				122 38.0					*T	35.24*T	58.2
VACACILLA	CA00308	LITTLE COW CREEK			40 38.5	98.0	120.	111.	143.	150.*U	0. *U	0.
	SPK0403				122 12.5					*T	2.95*T	7.3
WILLOW	CA00319	SQUAW VALLEY CRK			41 9.5	42.0	82.	215.	291.	250.*U	0. *U	0.
	SPK0404				122 10.0					*T	2.98*T	10.8
ANDERSON COTTONW OOD DIVERSION DA	CA00226	SACRAMENTO RIVER	I	ANDERSON COT TONWOOD I D	40 35.6	6468.0	6747.	14.	6.	24.*E	0. *E	0.
	SPK0405				122 23.5					*N	14.00*N	75.0
COLEMAN FOREBAY	CA00392	TRI BATTLE CREEK	H	PACIFIC GAS + ELECT CO	40 24.8	332.0	540.	482.	17.	0.*E	13.80*E	56.8
	SPK0406				122 6.8					*N	0. *N	0.
MACUMBER LAKE	CA00393	NORTH BATTLE CRE	H	PACIFIC GAS	40 32.3	25.0	180.	17.	20.	0.*E	0. *E	0.
	SPK0407	EK		+ ELECT CO	121 43.9					*N	.51*N	2.2
NORTH BATTLE CRK	CA00394	NORTH BATTLE CRE	H	PACIFIC GAS	40 36.2	3.0	4.	34.	40.	1.*E	0. *E	0.
	SPK0408	EK		+ ELECT CO	121 39.3					*N	.06*N	.1
LAKE BRITTON (PI T NO 3 DAM)	CA00395	PIT RIVER	H	PACIFIC GAS + ELECT CO	41 1.3	4747.0	2770.	315.	102.	41.*E	80.19*E	385.4
	SPK0409				121 40.5					*N	0. *N	0.
PIT FOUR RESERVO IR	CA00397	PIT RIVER	H	PACIFIC GAS + ELECT CO	40 59.3	4784.0	2797.	382.	44.	2.*E	90.00*E	422.2
	SPK0410				121 46.1					*N	0. *N	0.
TUNNEL RESERVOIR (PIT NO. 5 FOREB	CA00403	SUGAR PINE CREEK	H	PACIFIC GAS + ELECT CO	40 59.9	4900.0	2797.	615.	57.	1.*E	140.56*E	836.0
	SPK0411				121 53.3					*N	0. *N	0.
HAT CREEK NO 2 D IVERSION	CA00404	HAT CREEK	H	PACIFIC GAS AND ELECT.	40 57.0	431.0	140.	217.	15.	1.*E	10.00*E	39.3
	SPK0412				121 32.7					*N	0. *N	0.
PIT NO 1 FOREBAY	CA00405	FALL RIVER	H	PACIFIC GAS + ELECT CO	41 .5	676.0	1758.	454.	20.	3.*E	56.00*E	264.1
	SPK0413				121 26.8					*N	53.60*N	311.9

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PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

(07/09/79)

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COUNTY NAME: SHASTA					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
PIT NO 6 RESERVOIR	CA00414 SPK0414	PIT RIVER	HS	PACIFIC GAS & ELECT CO	40 55.4 121 59.6	5451.0	5000.	155.	128.	16.	E 79.20 N 0.	E 335.0 N 0.
PIT NO 7 RESERVOIR	CA00415 SPK0415	PIT RIVER	H	PACIFIC GAS & ELECT CO	40 50.8 121 59.4	5601.0	5590.	205.	186.	34.	E 104.40 N 0.	E 495.0 N 0.
LAKE MCCLOUD	CA00416 SPK0416	MCCLOUD RIVER	H	PACIFIC GAS & ELECT CO	41 7.9 122 4.2	420.0	1020.	168.	198.	35.	E 0. N 25.24	E 0. N 132.7
IRON CANYON RESERVOIR	CA00417 SPK0417	CEDAR SALT LOG CREEK	H	PACIFIC GAS & ELECT CO	41 2.5 121 59.1	431.0	1084.	1226.	200.	24.	E 154.80 N 0.	E 540.0 N 0.
PIT NO 5 DIVERSION	CA00462 SPK041R	PIT RIVER	H	PACIFIC GAS & ELECT. CO.	40 59.4 121 52.2	4711.0	2797.	13.	15.	0.	E 0. N 3.10	E 0. N 13.4
MISSELBECK DAM	CA01027 SPK0419	N FK COTTONWOOD CREEK	I	CHARLES TRIS DALE WAT CO	40 30.0 122 41.8	12.0	16.	84.	99.	5.	E 0. N .61	E 0. N .6
HAYNES RESERVOIR	CA01030 SPK0420	GOOSE CREEK	I S	GOOSE VALLEY RANCH INC	40 54.4 121 45.9	5.0	10.	53.	62.	6.	E 0. N .13	E 0. N .3
COW CREEK POWERHOUSE	CA08006 SPK0421	SOUTH COW CREEK	H	PACIFIC GAS & AND ELECT.	40 34.2 122 1.0	72.0	88.	715.	0.	0.	E 1.44 N 17.11	E 12.0 N 25.3
KILARC POWERHOUSE	CA08011 SPK0422	N. FK. COW CREEK	H	PACIFIC GAS & ELECT.	40 40.2 121 51.7	29.0	209.	1150.	0.	0.	E 3.00 N 38.77	E 22.0 N 150.4
VOLTA POWERHOUSE	CA08018 SPK0423	MILL SEAT CREEK	H	PACIFIC GAS & AND ELECT.	40 27.5 121 52.3	99.0	230.	1254.	0.	0.	E 6.40 N 47.45	E 39.6 N 140.0
KESWICK RESERVOIR	CA10160 SPK0424	SACRAMENTO RIVER	HOCR	DOI USBR	40 36.7 122 26.6	6704.0	8747.	78.	121.	25.	E 75.00 N 0.	E 477.5 N 0.
SHASTA LAKE	CA10186 SPK0425	SACRAMENTO RIVER	ISHNCRO	DOI USBR	40 43.1 122 25.2	6665.0	7683.	330.	526.	4662.	E 434.32 N 87.77	E 2021.6 N 97.8

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COUNTY NAME: SHASTA						FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF				
SPRING CREEK RESERVOIR	CA10190 SPK0426	SPRING CREEK	DO	DOI USBR	40 37.8 122 28.6	15.5	2187.	144.	184.	7. 0.	E 150.00 N 0.	E 543.6 N 0.
WHISKEYTOWN RESERVOIR	CA10204 SPK0427	CLEAR CREEK	IHRDS	DOI USBR	40 35.9 122 32.2	201.0	86.	225.	263.	276.	E 0. N 3.00	E 0. N 10.9
COUNTY NAME: SIERRA						FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF				
CLOVER VALLEY	CAU0088 SPK0428	SMITHNECK CRK			39 38.5 120 13.0	16.0	36.	65.	88.	6. 	U 0. T .85	U 0. T 1.6
GOODYEARS BAR	CAU0140 SPK0429	N FK YUBA RIVER			39 30.0 120 52.0	239.0	711.	264.	0.	57. 	U 0. T 52.62	U 0. T 126.6
INDIAN VALLEY	CAU0157 SPK0430	N FK YUBA RIVER			39 31.0 121 1.0	304.0	904.	430.	0.	180. 	U 0. T 109.01	U 0. T 262.3
RANDOLPH	CAU0255 SPK0431	COLD STREAM			39 33.5 120 21.0	22.0	50.	157.	0.	21. 	U 0. T 2.68	U 0. T 5.1
SHEEP CAMP	CAU0272 SPK0432	CARMEN CRK	IR		39 42.0 120 30.0	89.0	100.	61.	72.	65. 	U 0. T 2.12	U 0. T 1.9
INDEPENDENCE LAKE	CA00458 SPK0433	INDEPENDENCE CRK EK	H S	SIERRA-PACIF IC POWER CO	39 27.1 120 17.4	8.0	32.	21.	25.	19. 	E 0. N .14	E 0. N .3
STAMPEDE RESERVOIR	CA10192 SPK0434	LITTLE TRUCKEE R IVER	CRH	DOI USBR	39 28.0 120 6.2	130.0	178.	183.	225.	280. 	E 0. N 3.05	E 0. N 12.6
COUNTY NAME: SISKIYOU						FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF				
UPPERFALLS	CAU0307 SPK0435	MCCLOUD RIVER			41 14.0 122 2.0	264.0	686.	450.	0.	100. 	U 0. T 42.43	U 0. T 223.0

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COUNTY NAME: **SONOMA**					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
KNIGHTS VALLEY	CAU0024	MAACAMA CREEK			38 3,8	59.0	110.	110.	149.	223.U	0. U	0.
	SPN0042				122 4,5					T	2.09T	2.8
BIG SULPHUR	CAU0025	BIG SULPHUR CREE			38 4,9	82.0	192.	353.	477.	252.U	0. U	0.
	SPN0043	K			122 5,9					T	8.52T	11.8
WARM SPRINGS DAM	CAU0332	DRY CREEK	CR	CORPS	38 42,0	11.0	212.	203.	274.	381.U	0. U	0.
	SPN0044				123 0,					T	1.59T	1.7
COUNTY NAME: **STANISLAUS**					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
EUGENE	CAU0118	LITTLE JOHNS CRE			37 53,8	1019.0	1634.	21.	51.	0.U	0. U	0.
	SPK0436	EK			120 48,7					T	3.59T	17.1
KNIGHTS FERRY	CAU0177	STANISLAUS RIVER	I		37 50,0	986.0	1327.	121.	160.	15.U	0. U	0.
	SPK0437				120 38,8					T	55.45T	132.7
WOODWARD RESERVO IR	CA00276	SIMMONS CREEK (O	I	SOUTH SAN JO	37 51,7	12.0	430.	51.	60.	35.E	0. E	0.
	SPK0438	FFSTREAM)		AQUIN I D	120 52,6					N	3.00N	12.0
LA GRANGE RESERV OIR	CA00278	TUOLUMNE RIVER	I	TURLOCK AND	37 40,3	1538.0	446.	111.	131.	1.E	3.90E	18.0
	SPK0439			MODESTO I D	120 26,6					N	0. N	0.
COUNTY NAME: **TEHAMA**					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
A-2	CAU0033	SOUTH FORK COTTO	C		40 19,0	381.0	518.	167.	226.	920.U	0. U	0.
	SPK0440	NWOOD CREEK			122 26,9					T	11.27T	54.4
ANTELOPE BASIN	CAU0041	ANTELOPE,SALT,LI			40 12,0	48.0	111.	1150.	65.	37.U	0. U	0.
	SPK0441	TTLE ANTELOPE			122 11,0					T	23.03T	79.2
BELLE-MILL	CAU0055	ANTELOPE CREEK			40 10,9	123.0	285.	29.	39.	45.U	0. U	0.
	SPK0442				122 7,6					T	1.21T	4.9

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COUNTY NAME: TEHAMA					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
CROWN	CAU0099	DEER CREEK	CIR		39 9.0	52.0	106.	48.	48.	11. U	0. U	0.
	SPK0443				121 58.5					T	1.69 T	2.8
DEER NO. 1	CAU0101	DEER CRK			40 9.0	79.0	183.	1618.	0.	185. U	0. U	0.
	SPK0444				121 39.0					T	55.44 T	185.0
DEER CREEK NO 2	CAU0102	DEER CRK			40 4.0	126.0	194.	828.	0.	0. U	0. U	0.
	SPK0445				121 49.0					T	43.49 T	101.5
DEER CRK NO 3	CAU0103	DEER CRK			40 1.0	147.0	226.	1070.	0.	0. U	0. U	0.
	SPK0446				121 54.0					T	65.57 T	153.1
DEER CRK NO 4	CAU0104	BRUSH CRK			39 59.0	184.0	283.	198.	0.	0. U	0. U	0.
	SPK0447				121 57.0					T	15.19 T	35.5
DEER CREEK MEADO WS RESERVOIR	CAU0106	DEER CREEK			40 16.0	50.0	306.	837.	170.	153. U	0. U	0.
	SPK0448				121 26.4					T	69.43 T	162.1
DEHAVEN	CAU0107	LITTLE ANTELOPE CRK			40 13.0	123.0	285.	111.	150.	10. U	0. U	0.
	SPK0449				122 5.0					T	4.24 T	18.3
DIPPINGVAT LAKE	CAU0110	SOUTH FORK COTTO	CIR		40 39.7	132.0	186.	220.	297.	485. U	0. U	0.
	SPK0450	NWOOD CREEK			122 34.9					T	14.18 T	23.4
GALATIN	CAU0132	ELDER CREEK			40 1.6	93.0	104.	234.	317.	250. U	0. U	0.
	SPK0451				122 30.5					T	7.25 T	16.8
HUNTER LAKE	CAU0153	SOUTH FORK COTTO			40 12.8	211.0	315.	107.	145.	140. U	0. U	0.
	SPK0452	NWOOD CREEK			122 32.0					T	5.56 T	15.7
IRON CANYON	CAU0161	SACRAMENTO RIVER			40 14.0	9625.0	12383.	122.	156.	1000. U	0. U	0.
	SPK0453				122 21.0					T	277.84 T	938.9
MORGAN SPRINGS D IVDAM	CAU0214	MILLCREEK			40 21.5	3.0	4.	67.	90.	8. U	0. U	0.
	SPK0454				122 30.0					T	.12 T	.1

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PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: TEHAMA					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
PAIN DAM	CA00233	PAYNES CREEK	FR		40 0. 122 0.	92.0	213.	38.	52.	12.	0. U 1.24 T	0. 4.9
	SPK0455											
PAPE DAM	CA00235	MILL CREEK			40 9.5 121 48.8	88.0	204.	252.	317.	200.	0. U 6.68 T	0. 29.5
	SPK0456											
PASKENTA	CA00236	THOMES CREEK			39 52.4 122 34.7	185.0	276.	186.	242.	400.	0. U 17.12 T	0. 30.7
	SPK0457											
PASKENTA	CA00239	THOMES CRK	SIOCR		39 52.5 122 33.0	194.0	248.	172.	233.	130.	0. U 16.58 T	0. 29.7
	SPK0458											
ROSEWOOD LAKE	CA00258	DRY CREEK	OI		40 16.5 122 33.1	127.0	80.	118.	160.	300.	0. U 4.36 T	0. 11.1
	SPK0459											
S-1	CA00261	SOUTH FORK COTTO			40 20.9 122 21.7	403.0	548.	129.	175.	575.	0. U 8.65 T	0. 43.9
	SPK0460	NWOOD CREEK										
SCHOENFIELD	CA00266	RED BANK CREEK			40 6.4 122 32.7	49.0	114.	247.	280.	150.	0. U 3.79 T	0. 16.3
	SPK0461											
TEHAMA RESERVOIR	CA00298	SOUTH FORK COTTO	CSIRO		40 19.8 122 26.0	382.0	268.	164.	216.	900.	0. U 11.01 T	0. 53.4
	SPK0462	NWOOD CREEK										
TOM HEAD LAKE	CA00302	SOUTH FORK COTTO			40 10.5 122 33.4	137.0	204.	142.	192.	50.	0. U 5.17 T	0. 13.9
	SPK0463	NWOOD CREEK										
WING LAKE	CA00323	INKS CREEK			40 20.2 122 8.7	27.0	55.	146.	191.	250.	0. U 2.66 T	0. 4.4
	SPK0464											
INSKIP POWERHOUSE	CA08014	SOUTH FORK BATTL	H	PACIFIC GAS AND ELECT.	40 24.1 121 58.6	292.0	450.	378.	0.	0. E 40.01 N	6.00 E 69.5 N	37.9
	SPK0465	E CREEK										
BLACK BUTTE LAKE	CA10102	STONEY CREEK	CIR	DAEN SPK	39 49.1 122 20.2	736.0	109.	99.	135.	370.	0. E 8.71 N	0. 13.9
	SPK0466											

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POTENTIAL HYDROPOWER SITES

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COUNTY NAME: TEHAMA					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
RED BLUFF DIVERSION	CA10181 SPK0467	SACRAMENTO RIVER	IR	DOI USBR	40 13,0 122 10,8	281.0	8450.	13.	29.	4. E N	0. E .52 N	0. N 2.5
COUNTY NAME: TRINITY					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
OLD COW CREEK DIVERSION DAM	CAU0228 SPK0468	OLD COW CREEK			40 38,0 123 15,5	22.0	72.	110.	110.	0. U T	0. U 2.47 T	0. T 4.2
CLAIR ENGLE LAKE TRINITY	CA10196 SPN0045	TRINITY RIVER	IHCRO	DOI USBR	40 48,1 122 45,7	688.0	1640.	345.	458.	2761. E N	106.00 E 0. N	409.0 N 0.
COUNTY NAME: TULARE					FERC POWER SUPPLY AREA 47		FERC REGIONAL OFFICE CODE SF					
EAST FORK	CAU0115 SPK0469	EAST FORK KAWEAH RIVER			36 27,0 118 47,0	82.0	64.	580.	0.	0. U T	0. U 13.01 T	0. T 23.8
HUNGRY HOLLOW	CAU0152 SPK0470	DEER CREEK	IH		36 ,5 118 56,6	8.0	4.	204.	267.	831. U T	0. U ,19 T	0. T ,5
JUNCTION (FAIRVIEW)	CAU0168 SPK0471	KERN RIVER			36 0, 118 29,0	750.0	633.	1040.	0.	190. U T	0. U 202.94 T	0. T 446.7
LAMONT MEADOW	CAU0180 SPK0472	CHIMNEY CREEK			35 49,0 118 3,0	34.0	16.	148.	200.	5. U T	0. U 1.03 T	0. T 1.5
LIMEKILN	CAU0183 SPK0473	DRY CRK			35 16,0 118 31,5	642.0	699.	209.	250.	0. U T	0. U 48.45 T	0. T 98.3
LITTLE KERN	CAU0187 SPK0474	N FK KERN RIVER			36 8,0 118 27,0	508.0	429.	955.	0.	25. U T	0. U 126.22 T	0. T 277.8
MIDDLE FORK	CAU0207 SPK0475	MIDDLE FORK TULE RIVER			36 8,1 118 46,8	102.0	38.	103.	140.	13. U T	0. U 1.45 T	0. T 2.3

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(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

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COUNTY NAME: TULARE					FERC POWER SUPPLY AREA 47			FERC REGIONAL OFFICE CODE SF				
NORTH FORK	CA00219	NORTH FORK TULE			36 10.3	80.0	30.	20.	20.	0. U	0. U	0.
	SPK0476	RIVER			118 47.8					T	.22 T	.3
QUINCY SCHOOL	CA00251	WHITE RIVER			35 49.0	98.9	37.	109.	109.	0. U	0. U	0.
	SPK0477				118 57.4					T	1.48 T	2.4
ROCKHOUSE	CA00257	SOUTH FORK KERN			35 49.0	423.0	87.	990.	150.	72. U	0. U	0.
	SPK0478	RIVER			118 12.0					T	28.95 T	48.7
KAWEAH NO 2 POWE	CA08004	MID FK KAWEAH RI	H	SOUTHERN CAL	39 29.4	166.0	99.	367.	0.	0. E	1.80 E	13.0
RHOUSE	SPK0479	VER		IF. EDISON	118 50.5					N	19.42 N	31.1
KAWEAH NO.1 POWE	CA08006	EAST FORK KAWEAH	H	SOUTHERN CAL	39 27.7	86.0	95.	1326.	0.	0. E	2.25 E	16.0
RHOUSE	SPK0480	RIVER		IF. EDISON	118 52.3					N	0. N	0.
KAWEAH NO.3 POWE	CA08009	MIDDLE FORK KAWE	H	SOUTHERN CAL	39 27.7	155.0	99.	775.	0.	0. E	2.80 E	25.0
RHOUSE	SPK0481	AH RIVER		IF. EDISON C	118 54.1					N	0. N	0.
LOWER TULE POWER	CA08013	MIDDLE FORK TULE	H	SOUTHERN CAL	36 8.2	87.0	26.	1140.	0.	0. E	2.00 E	19.0
HOUSE	SPK0482	RIVER		IF. EDISON	118 47.3					N	0. N	0.
TULE RIVER POWER	CA08017	NORTH FORK OF MI	H	PACIFIC GAS	39 9.9	35.0	26.	1532.	0.	0. E	4.80 E	26.5
HOUSE	SPK0483	DDLE FORK TUL		AND ELEC.	118 43.2					N	0. N	0.
SUCCESS LAKE	CA10113	TULE RIVER	CIR	DAEN SPK	36 3.5	391.0	179.	102.	137.	202. E	0. E	0.
	SPK0484				118 55.1					N	4.22 N	11.2
LAKE KAWEAH-TERM	CA10114	KAWEAH RIVER	CIR	DAEN SPK	36 25.0	560.0	657.	174.	225.	266. E	0. E	0.
INUS DAM	SPK0485				119 .2					N	10.00 N	40.0
COUNTY NAME: TUOLUMNE					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
BELL MEADOWS RES	CA00053	BELL CREEK			38 9.0	12.0	36.	55.	75.	12. U	0. U	0.
ERVOIR	SPK0486				119 56.9					T	.85 T	1.3

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COUNTY NAME: TUOLUMNE				FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF					
BIG HUMBUG CREEK	CAU0056	TUOLUMNE RIVER			37 53,0	1105,0	1772,	233,	0,	80,U	0, U	0,
	SPK0487				120 13,0					T	119,67 T	286,4
BIG TREES	CAU0058	NORTH FORK STANI			38 17,0	147,0	374,	293,	396,	162,U	0, U	0,
	SPK0488	SLAUS RIVER			120 14,7					T	41,05 T	72,1
BROWNS MEADOW	CAU0066	NORTH FORK TUOLU			38 7,2	11,0	29,	222,	222,	77,U	0, U	0,
	SPK0489	MNE RIVER			120 4,7					T	2,43 T	4,3
GANNS POWERHOUSE	CAU0133	NORTH FORK STANI			38 24,5	49,0	43,	1418,	150,	6,U	0, U	0,
	SPK0490	SLAUS RIVER			120 4,7					T	20,25 T	39,4
HARDEN FLAT RESE RVOIR	CAU0144	SOUTH FORK TUOLU	H	SAN FRANCISC O COUNTY	37 48,3	85,0	196,	152,	205,	42,U	0, U	0,
	SPK0491	MNE RIVER			119 57,4					T	2,97 T	11,2
INGALLS	CAU0159	CLAVEY RIVER			37 56,0	102,0	235,	1700,	0,	65,U	0, U	0,
	SPK0492				120 13,0					T	146,99 T	266,6
KENNEDY MEADOWS	CAU0176	MIDDLE FORK STAN			38 18,5	48,0	146,	89,	121,	10,U	0, U	0,
	SPK0493	ISLAUS RIVER			119 45,0					T	3,44 T	7,5
LORDS RESERVOIR	CAU0190	HULL CREEK			38 3,4	10,0	30,	96,	130,	10,U	0, U	0,
	SPK0494				120 4,5					T	1,22 T	1,9
PAPER CABIN	CAU0236	NORTH FORK TUOLU			37 54,0	195,0	496,	700,	0,	0,U	0, U	0,
	SPK0495	MNE RIVER			120 14,0					T	130,24 T	228,9
SAND BAR	CAU0267	MIDDLE FORK STAN			38 11,0	311,0	665,	391,	0,	177,U	0, U	0,
	SPK0496	ISLAUS RIVER			120 8,0					T	82,30 T	180,1
SOUTH FORK	CAU0280	SOUTH FORK TUOLU			37 49,0	108,0	249,	824,	0,	0,U	0, U	0,
	SPK0497	MNE RIVER			120 0,					T	75,44 T	136,8
STONE MEADOW	CAU0290	UNNAMED TRIB TO	ROI		37 51,0	47,0	9,	89,	105,	9,U	0, U	0,
	SPK0498	NF TUOLUMNE R			119 51,1					T	3,39 T	7,4

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COUNTY NAME: TUOLUMNE					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
UPPER CLAVEY	CA00305	CLAVEY RIVER			37 59.0	135.0	311.	1935.	0.	60.U	0. U	0.
	SPK0499				120 3.0					T	221.44 T	401.7
EARLY IN TAKE	CA00120	TUOLUMNE RIVER	H S	CITY COUNTY	37 52.5	488.0	311.	35.	41.	0.E	0. E	0.
	SPK0500			S FRANCISCO	119 57.3					N	4.81 N	17.0
LAKE ELEANOR	CA00121	ELEANOR CREEK	H S	CITY COUNTY	37 58.4	78.0	65.	48.	57.	28.E	0. E	0.
	SPK0501			S FRANCISCO	119 52.7					N	2.33 N	5.2
MOCCASIN LOWER	CA00122	MOCCASIN CREEK	H S	CITY COUNTY	37 48.7	26.0	79.	45.	53.	1.E	0. E	0.
	SPK0502			S FRANCISCO	120 18.3					N	1.29 N	2.3
HETCH HETCHY RSV	CA00123	TUOLUMNE RIVER	H S	CITY COUNTY	37 56.9	455.0	999.	1450.	296.	360.E	67.50 E	622.0
R(OSHAUGHNESSY D	SPK0503			S FRANCISCO	119 47.2					N	0. N	0.
PRIEST RESERVOIR	CA00124	RATTLESNAKE CREE	H S	CITY COUNTY	37 48.1	3.0	650.	139.	163.	2.E	0. E	0.
	SPK0504	K		S FRANCISCO	120 15.9					N	.33 N	.8
CHERRY LAKE	CA00125	CHERRY CREEK	H S	CITY COUNTY	37 58.5	193.0	670.	2481.	300.	268.E	135.00 E	772.0
	SPK0505			S FRANCISCO	119 54.5					N	67.50 N	387.0
BEARDSLEY LAKE	CA00263	MID FK STANISLAU	H I	OAKDALE S SA	38 12.2	316.0	635.	264.	240.	98.E	9.99 E	51.5
	SPK0506	S RIVER		N JOAQUIN ID	120 4.5					N	0. N	0.
DONNELLS RESERVO	CA00264	MID FK STANISLAU	H I	OAKDALE S SA	38 19.8	224.0	240.	1484.	272.	65.E	54.00 E	279.0
IR	SPK0507	S RIVER		N JOAQUIN ID	119 57.7					N	0. N	0.
BEARDSLEY AFTERB	CA00266	MID FK STANISLAU	H I	OAKDALE S SA	38 11.8	303.0	635.	28.	33.	0.E	0. E	0.
AY	SPK0508	S RIVER		N JOAQUIN ID	120 5.4					N	2.37 N	9.5
NEW DON PEDRO	CA00281	TUOLUMNE RIVER	H I R	TURLOCK AND	37 42.0	1546.0	1466.	530.	513.	2030.E	136.52 E	598.4
	SPK0509		S	MODESTO I D	120 25.2					N	0. N	0.
LYONS	CA00387	S FK STANISLAUS	H I	PACIFIC GAS	38 5.6	67.0	129.	1190.	104.	6.E	1.60 E	10.0
	SPK0510	RIVER		+ ELECT CO	120 10.1					N	11.40 N	42.0

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POTENTIAL HYDROPOWER SITES

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COUNTY NAME: TUOLUMNE					FERC POWER SUPPLY AREA 46					FERC REGIONAL OFFICE CODE SF		
PINECREST LAKE (STRAWBERRY LAKE)	CA00388 SPK0511	S FK STANISLAUS RIVER	H	PACIFIC GAS & ELECT CO	38 12,0 / 119 59,3	27,0	100,*	118,*	139,*	19,*E / *N	0, *E / 2,89*N	0, *E / 5,9
RELIEF RESERVOIR	CA00390 SPK0512	RELIEF CREEK	H	PACIFIC GAS & ELECT CO	38 16,8 / 119 43,9	28,0*	136,*	112,*	132,*	15,*E / *N	0, *E / 2,86*N	0, *E / 5,8
STANISLAUS FOREBAY	CA00391 SPK0513	STANISLAUS RIV ID=FK(OFFSTR)	M*H	PACIFIC GAS & ELECT CO	38 8,8 / 120 21,2	380,0*	635,*	1525,*	56,*	0,*E / *N	81,90*E / 0, *N	406,2 / 0,
SPICERS MEADOW RESERVOIR	CA00425 SPK0514	HIGHLAND CREEK	H I S	PACIFIC GAS & ELECT CO	38 23,6 / 119 59,8	42,0*	125,*	48,*	56,*	4,*E / *N	0, *E / 1,91*N	0, *E / 3,6
SPRING GAP POWER HOUSE	CA08016 SPK0515	SOUTH FORK STANISLAUS	H	PACIFIC GAS & AND ELECT,	38 11,3 / 120 7,1	46,0*	86,*	1865,*	0,*	0,*E / *N	6,00*E / 0, *N	48,5 / 0,
MOCCASIN CREEK POWERHOUSE	CA08025 SPK0516	HETCH-HETCHY AQUEDUCT	H	HETCH HETCHY WTR AND PWR	37 48,0 / 120 18,7	=0, *	0,*	1190,*	=0,*	0,*E / *N	90,00*E / 0, *N	548,0 / 0,
COUNTY NAME: VENTURA					FERC POWER SUPPLY AREA 47					FERC REGIONAL OFFICE CODE SF		
MATILIJA	CA00312 SPL0132	MATILIJA CREEK	I S	VENTURA COUN TY FC DIST	34 29,1 / 119 18,5	54,0*	28,*	102,*	120,*	4,*E / *N	0, *E / ,72*N	0, *E / 1,0
SANTA FELICIA	CA00805 SPL0133	PIRU CR	S D I 0	UNITED WATER CONS DIST	34 27,7 / 118 45,1	422,0*	55,*	153,*	180,*	100,*E / *N	0, *E / 2,28*N	0, *E / 3,2
(LAKE) CASITAS	CA10139 SPL0134	COYOTE CREEK	I S C	DOI USBR	34 22,7 / 119 19,8	39,0*	13,*	227,*	279,*	287,*E / *N	0, *E / 1,21*N	0, *E / 1,7
LAKE CASITAS-CASITAS SADDLE DIKE	CA10140 SPL0135	COYOTE CREEK OFFSTREAM	I S C	DOI USBR	34 24,2 / 119 19,3	39,0*	20,*	26,*	32,*	287,*E / *N	0, *E / ,14*N	0, *E / ,2

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PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

(07/09/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: YOLO						FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF				
BLUE RIDGE	CA00062	CACHE CREEK			38 56.0	952.0	434.	444.	601.	1500.	U 0.	U 0.
	SPK0517				122 17.5						T 106.83	T 104.1
BROOKS	CA00065	CACHE CRK			38 45.0	1044.0	476.	37.	50.	6.	U 0.	U 0.
	SPK0518				122 5.3						T 3.31	T 5.0
GUINDA	CA00143	CACHE CRK	ICR		38 50.5	992.0	630.	118.	160.	303.	U 0.	U 0.
	SPK0519				122 11.5						T 29.64	T 28.9
OAT	CA00225	OAT CRK			38 49.5	26.0	14.	60.	71.	15.	U 0.	U 0.
	SPK0520				121 57.0						T .34	T .3
PUTAH DIVERSION	CA10180	PUTAH CREEK	ISRO	DOI USBR	38 30.0	574.0	514.	16.	16.	1.	E 0.	E 0.
	SPK0521				122 .2						N .64	N 2.2
COUNTY NAME: YUBA						FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF				
BANGOR	CA00050	NORTH HONCUT CRE			39 23.5	47.0	109.	39.	53.	5.	U 0.	U 0.
	SPK0522	EK			121 28.0						T 1.28	T 2.4
MARYSVILLE LAKE (PARKS BAR SITE)	CA00198	YUBA RIVER	HICRO		39 13.3	1296.0	3138.	330.	358.	916.	U 0.	U 0.
	SPK0523		O		121 19.7						T 183.39	T 387.9
NEW YORK	CA00218	NEW YORK			39 28.5	11.0	20.	103.	140.	30.	U 0.	U 0.
	SPK0524				121 15.0						T .90	T 1.2
WALDO	CA00312	DRY CRK			39 7.0	70.0	107.	168.	227.	300.	U 0.	U 0.
	SPK0525				121 18.5						T 3.72	T 7.6
WAMBO	CA00314	N FK. YUBA RIVER			39 31.0	267.0	794.	645.	0.	0.	U 0.	U 0.
	SPK0526				121 6.0						T 143.61	T 345.5
VIRGINIA RANCH	CA00842	FRENCH DRY CREEK	SDIR	BROWNS VALLE	39 19.4	72.0	110.	117.	145.	66.	E 0.	E 0.
	SPK0527			Y IRR DIST	121 18.7						N 2.99	N 5.7

LEGEND

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(2) D=DEBRIS CONTROL, P=FARM POND, O=OTHER
(3) = E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
(3) = U=INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: YUBA					FERC POWER SUPPLY AREA 46				FERC REGIONAL OFFICE CODE SF			
NEW BULLARDS BAR	CA00863	NORTH YUBA RIVER	S O I	YUBA CTY WAT	39 23.6	489.0	398.	1390.	572.	970.	E 284.40	E 2160.0
	SPK0528		R	ER AGENCY	121 8.4						N 0.	N 0.
LAKE FRANCIS	CA00866	DOBBINS CR	S	YUBA CTY WAT	39 21.6	7.0	16.	60.	70.	2.	E 0.	E 0.
	SPK0529			ER AGENCY	121 12.2						N .34	N .6
HARRY L ENGLEBRI	CA10105	YUBA RIVER	HCI	DAEN SPK	39 14.3	1110.0	2576.	236.	260.	70.	E 56.10	E 282.0
GHT LAKE	SPK0530				121 16.0						N 0.	N 0.

LEGEND

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(3) - U=INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

STATE OF HAWAII

PHYSICAL POTENTIAL FOR ADDITIONAL HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF HAWAII

HEAD IN FEET	CUTMO UTALAND WATER	.05 MW - 15 MW				15 MW - 25 MW				GREATER THAN 25 MW				TOTAL			
		EXIST INST CAP	EXIST INCR 2 CAP	UNDEV POTEN 3 CAP	TOTAL INCR 4 CAP	EXIST INST CAP	EXIST INCR 2 CAP	UNDEV POTEN 3 CAP	TOTAL INCR 4 CAP	EXIST INST CAP	EXIST INCR 2 CAP	UNDEV POTEN 3 CAP	TOTAL INCR 4 CAP	EXIST INST CAP	EXIST INCR 2 CAP	UNDEV POTEN 3 CAP	TOTAL INCR 4 CAP
0-19	NUMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAPCTY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ENERGY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-49	NUMBER	0	3	0	3	0	0	0	0	0	0	0	0	0	3	0	3
	CAPCTY	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3
	ENERGY	0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.6
50-99	NUMBER	0	4	1	5	0	0	0	0	0	0	0	0	0	4	1	5
	CAPCTY	0.0	4.6	0.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.1	4.7
	ENERGY	0.0	10.7	0.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.3	11.1
>100	NUMBER	14	4	6	10	0	1	0	1	0	0	0	0	14	5	6	11
	CAPCTY	19.2	7.0	29.9	36.9	0.0	19.3	0.0	19.3	0.0	0.0	0.0	0.0	19.2	26.3	29.9	56.2
	ENERGY	102	15.0	76.7	91.7	0.0	38.8	0.0	38.8	0.0	0.0	0.0	0.0	102	53.9	76.7	131
TOTAL	NUMBER	14	11	7	18	0	1	0	1	0	0	0	0	14	12	7	19
	CAPCTY	19.2	12.0	30.0	42.0	0.0	19.3	0.0	19.3	0.0	0.0	0.0	0.0	19.2	31.3	30.0	61.3
	ENERGY	102	26.4	77.0	104	0.0	38.8	0.0	38.8	0.0	0.0	0.0	0.0	102	65.3	77.0	142

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT
COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS
COLUMN 3 = UNDEVELOPED POTENTIAL
COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)
CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)
ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF HAWAII

(07/09/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: **HAWAII**					FERC POWER SUPPLY AREA 50			FERC REGIONAL OFFICE CODE SF				
WAILOA	HI00007 PO00001	WAILOA	H		20 4.8 155 37.3	14.0	71.	253.	0.	0. 0.	U T	0. 2.87
PUUEO	HI00126 PO00002	WAILUKU	H	HILO ELECTRI C LIGHT CO	19 43.8 155 5.6	0.	0.	400.	0.	0. 0.	E N	2.25 0.
WAIAU	HI00129 PO00003	WAILUKU	H	HILO ELECTRI C	19 43.4 155 7.3	0.	0.	322.	0.	0. 0.	E N	1.10 0.
HONOKAA	HI00130 PO00004	LOWER HAMAKUA	HI	HONOKAA SUGA R CO	20 5.8 155 28.2	0.	0.	415.	0.	0. 0.	E N	.80 0.
PAPAIKOU MILL	HI00131 PO00005	NONAME-OFFSTREAM	H	HILO COAST P ROCESSING CO	19 47.0 155 5.4	0.	0.	207.	0.	0. 0.	E N	.13 0.
UNION	HI00138 PO00006	KOHALA DITCH	HI	KOHALA CORPO RATION	20 14.5 155 48.7	0.	41.	565.	0.	0. 0.	E N	0. .50
COUNTY NAME: **HONOLULU**					FERC POWER SUPPLY AREA 50			FERC REGIONAL OFFICE CODE SF				
KANEOHE KAILUA DAM	HI00002 PO00007	KAMOOALII STREAM	CR	C+C HONOLULU	21 23.7 157 48.4	3.0	10.	56.	76.	4. 0.	U T	0. .10
NUUANU RESERVOIR	HI00001 PO00008	NUUANU STREAM	CR	HONOLULU BOA RD OF WATER	21 21.3 157 48.6	2.0	4.	51.	69.	4. 0.	E N	0. .06
WAHIAWA RESERVOIR	HI00017 PO00009	KAUKONAHUA STREAM	IR	CASTLE AND C OOK LTD	21 30.0 158 3.1	17.0	203.	70.	88.	9. 0.	E N	0. 2.82
KU TREE RESERVOIR	HI00025 PO00010	TR-KAUKONAHUA STREAM	O	DOD USA	21 30.0 157 59.0	1.0	3.	80.	97.	1. 0.	E N	0. .07

LEGEND

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PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF HAWAII

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: **KAUAI**					FERC POWER SUPPLY AREA 50				FERC REGIONAL OFFICE CODE SF			
HANALEI	HIU0001	HANALEI RIVER	H		22 7.9	10.0	104.	263.	0.	0.U	0. U	0.
	POH0011				159 28.1					T	4.48T	16.5
KOKEE WATER PROJECT	HIU0003	KAWAIKOI STREAM	HIRO	STATE	22 8.0	1.0	9.	960.	234.	41.U	0. U	0.
	POH0012				159 37.1					T	2.74T	4.9
LUMAHAI	HIU0004	LUMAHAI RIVER	H		22 12.0	10.0	162.	312.	0.	0.U	0. U	0.
	POH0013				159 32.4					T	14.82T	33.6
WAIALEALE	HIU0005	SOUTH FORK WAILU A RIVER	HIR	STATE	22 2.0	18.0	90.	144.	185.	47.U	0. U	0.
	POH0014				159 26.0					T	4.27T	7.4
PUU LUA RESERVOIR	HI00002	TR-HAELEELE STRE AM OFFSTREAM	I	KEKAHA SUGAR CO LTD	22 5.5	7.0	61.	86.	105.	1.E	0. E	0.
	POH0015				159 40.9					N	1.72N	3.0
KAPAIA RESERVOIR	HI00012	HANAMAULU STREAM	I	LIHUE PLANTATION CO LTD	22 1.2	2.0	10.	37.	45.	1.E	0. E	0.
	POH0016				159 23.9					N	.12N	.2
KOLOKO RESERVOIR	HI00030	OFFSTREAM	I	MARY N LUCAS ESTATE	22 10.8	1.0	10.	36.	44.	1.E	0. E	0.
	POH0017				159 22.9					N	.07N	.2
ALEXANDER RESERVOIR	HI00098	WAHIAWA STREAM	IHS	MCBRYDE SUGAR CO LTD	21 57.6	3.0	14.	700.	129.	3.E	1.00E	2.1
	POH0018				159 31.6					N	2.02N	3.5
WAINIHA	HI00132	WAINIHA	H	MCBRYDE SUGAR CO	22 11.9	13.0	181.	565.	0.	0.E	3.60E	24.0
	POH0019				159 33.5					N	19.31N	38.9
UPPER LIHUE	HI00133	WAIAHI	HI	LIHUE PLANTATION CO	22 1.5	0.	0.	247.	0.	0.E	.50E	3.0
	POH0020				159 28.0					N	0. N	0.
LOWER LIHUE	HI00134	S FK WAILUA	HI	LIHUE PLANTATION CO	22 1.3	0.	0.	206.	0.	0.E	.80E	5.0
	POH0021				159 26.8					N	0. N	0.
HYDRO KAUMAKANI	HI00135	MAKAWELI	HI	OLOKELE SUGAR CO	22 .2	5.0	17.	211.	0.	0.E	.50E	3.1
	POH0022				159 36.9					N	0. N	0.

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PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF HAWAII

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: KAUAI					FERC POWER SUPPLY AREA 50			FERC REGIONAL OFFICE CODE SF				
WAIMEA	HI00136	WAIMEA	HI	KEKAHA SUGAR	22 2.9	32.0	68.	265.	0.	0.E	1.00E	3.6
	POH0023		CO	CO	159 38.6					N	3.91N	7.5
WAIAWA	HI00137	KAHOANA	HI	KEKAHA SUGAR	21 59.8	0.	0.	275.	0.	0.E	.50E	1.8
	POH0024			CO	159 43.6					N	0. N	0.
COUNTY NAME: MAUI					FERC POWER SUPPLY AREA 50			FERC REGIONAL OFFICE CODE SF				
WAIHEE	HIU0006	WAIHEE RIVER	H		20 56.3	3.0	58.	241.	0.	0.U	0. U	0.
	POH0025				156 32.9					T	.73T	2.0
KUALAPUU RESERVO IR	HI00041	TR-KALUA PEELUA	IS	STATE OF HAW	21 9.3	2.0	8.	41.	54.	6.E	0. E	0.
	POH0026	GULCH OFFSTRM		AII DLNR	157 3.0					N	.12N	.2
PAIA	HI00125	WAILOA DITCH	IH	HCS CO	20 53.4	0.	0.	260.	0.	0.E	.80E	.5
	POH0027				156 20.4					N	0. N	0.
KAHEKA	HI00126	WAILOA DITCH	IH	HCS CO	20 53.5	0.	0.	660.	0.	0.E	5.80E	25.0
	POH0028				156 21.6					N	0. N	0.
KAUAULA	HI00127	KAUAULA	HI	PIONEER MILL	20 52.7	2.0	2.	535.	0.	0.E	.50E	2.0
	POH0029			CO	156 38.6					N	0. N	0.

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STATE OF NEVADA

PHYSICAL POTENTIAL FOR ADDITIONAL HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF NEVADA

HEAD INCREMENT (FEET)		POTENTIAL INCREMENTAL CAPACITY RANGES: .05 MW - 15 MW				15 MW - 25 MW				GREATER THAN 25 MW				TOTAL			
		EXIST INST 1 CAP	EXIST INCR 2 CAP	UNDEV POTEN 3 CAP	TOTAL INCR 4 CAP	EXIST INST 1 CAP	EXIST INCR 2 CAP	UNDEV POTEN 3 CAP	TOTAL INCR 4 CAP	EXIST INST 1 CAP	EXIST INCR 2 CAP	UNDEV POTEN 3 CAP	TOTAL INCR 4 CAP	EXIST INST 1 CAP	EXIST INCR 2 CAP	UNDEV POTEN 3 CAP	TOTAL INCR 4 CAP
0-19	NUMBER	0	5	1	6	0	0	0	0	0	0	0	0	0	5	1	6
	CAPCTY	0.0	6.3	0.9	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.9	7.2
	ENERGY	0.0	13.8	4.5	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	4.5	18.4
20-49	NUMBER	1	12	1	13	0	0	0	0	0	0	0	0	1	12	1	13
	CAPCTY	0.8	14.8	1.2	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	14.8	1.2	16.0
	ENERGY	5.0	28.4	2.0	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	28.4	2.0	30.4
50-99	NUMBER	2	2	11	13	0	0	0	0	0	0	0	0	2	2	11	13
	CAPCTY	3.9	4.4	13.4	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	4.4	13.4	17.9
	ENERGY	30.0	8.7	30.9	39.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	8.7	30.9	39.7
>100	NUMBER	2	2	6	8	0	1	2	3	1	0	0	0	3	3	8	11
	CAPCTY	4.4	2.6	17.9	20.5	0.0	17.8	40.4	58.2	668	0.0	0.0	0.0	672	20.4	58.3	78.7
	ENERGY	33.0	4.0	59.4	63.4	0.0	26.5	116	145	2056	0.0	0.0	0.0	2089	30.6	176	206
TOTAL	NUMBER	5	21	19	40	0	1	2	3	1	0	0	0	6	22	21	43
	CAPCTY	9.1	28.1	33.5	61.7	0.0	17.8	40.4	58.2	668	0.0	0.0	0.0	677	46.0	73.9	120
	ENERGY	68.0	55.1	96.9	152	0.0	26.5	116	145	2056	0.0	0.0	0.0	2124	81.6	213	295

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT
COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS
COLUMN 3 = UNDEVELOPED POTENTIAL
COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)
CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)
ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF NEVADA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PUR (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: CHURCHILL					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
OLD RIVER RESERV	NV00086	CARSON RIVER	I	TRUCKEE CARS	39 32,4	2000.0	123.	17.	20.	1.*E	0. *E	0.
OIR (SAGOUSPE DA	SPK0735			ON IRRIG DIS	118 43,7					*N	.76*N	1.3
CARSON RIVER DIV	NV10120	CARSON RIVER	IHS	DOI USBR	39 29,7	1800.0	500.	14.	14.	1.*E	0. *E	0.
ERSION	SPK0736				118 59,6					*N	2.22*N	4.3
LAHONTAN RESERVO	NV10123	CARSON RIVER	IHRSO	DOI USBR	39 27,8	1750.0	448.	120.	115.	426.*E	2.40*E	13.0
IR	SPK0737				119 4,0					*N	0. *N	0.
STILLWATER POINT	NV10133	STILLWATER CANAL	R	DOI BSFW	39 31,9	2000.0	123.	26.	30.	19.*E	0. *E	0.
RESERVOIR	SPK0738				118 28,8					*N	1.14*N	1.9
COUNTY NAME: CLARK					FERC POWER SUPPLY AREA 48		FERC REGIONAL OFFICE CODE SF					
(LAKE MEAD) HOOV	NV10122	COLORADO RIVER	IHCON	DOI USBR	36 0,	167800.0	17000.	491.	592.	30237.*E	667.50*E	2055.5
ER DAM	SPL0136		SR		114 42,0					*N	0. *N	0.
COUNTY NAME: DOUGLAS					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
WATASHEAMU RESER	NV00015	EAST FORK CARSON	HIC		38 50,0	344.0	208.	236.	264.	115.*U	0. *U	0.
VOIR	SPK0739	RIVER			119 42,0					*T	21.32*T	31.8
HOYE CANYON RESE	NV00020	WALKER RIVER	IC		38 42,5	533.0	564.	55.	75.	75.*U	0. *U	0.
RVOIR	SPK0740				119 36,0					*T	3.38*T	14.0
TOPAZ RESERVOIR	NV00093	W WALKER RIVER (*	I	WALKER RIVER	38 41,6	500.0	235.	23.	27.	59.*E	0. *E	0.
	SPK0741	OFF STREAM)		IRR DIST	119 30,9					*N	4.00*N	8.3
COUNTY NAME: ELKO					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
PAISVILLE	NV00001	EAST FORK OWYHEE	H		41 48,0	332.0	105.	350.	0.	0.*U	0. *U	0.
	NPW0386	RIVER			115 57,3					*T	5.59*T	24.5

LEGEND

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(2) D=DEBRIS CONTROL, P=FARM POND, O=OTHER
(3) = E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
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P R E L I M I N A R Y E S T I M A T E S (07/09/79)

P O T E N T I A L H Y D R O P O W E R S I T E S

I N T H E S T A T E O F N E V A D A

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: ELKO					FERC POWER SUPPLY AREA 41					FERC REGIONAL OFFICE CODE SF		
SKULL CREEK	NVU0002	OWYHEE RIVER	H		41 55.0	458.0	140.	225.	0.	0.U	0. U	0.
	NPW0387				115 4.0					T	4.79T	21.0
VISTA RESERVOIR	NVU0004	MARYS RIVER	ICR		41 19.8	373.0	55.	50.	68.	50.U	0. U	0.
	SPK0742				115 15.0					T	1.22T	2.0
HYLTON RESERVOIR	NVU0016	SOUTH FORK HUMBO	CIRO		40 40.0	1150.0	90.	68.	92.	210.U	0. U	0.
	SPK0743	LDT			115 47.0					T	2.63T	4.4
DEVILS GATE RESERVOIR	NVU0017	NORTH FORK HUMBO			41 11.0	878.0	74.	87.	118.	80.U	0. U	0.
	SPK0744	LDT RIVER			115 30.0					T	2.66T	4.5
BISHOP CREEK RESERVOIR	NV00050	BISHOP CREEK	I	PACIFIC RECL AMATION CO	41 15.3	68.0	118.	41.	55.	30.E	0. E	0.
	SPK0745				114 54.9					N	1.79N	3.0
WILLOW CREEK RESERVOIR	NV00054	WILLOW CREEK	I	ELLISON RANC HING CO	41 13.6	109.0	20.	78.	92.	18.E	0. E	0.
	SPK0746				116 32.3					N	.56N	1.0
CRITTENDEN RESERVOIR	NV00108	CRITTENDEN CREEK	I	MESQUITE LAN D CO	41 31.4	107.0	30.	33.	39.	4.E	0. E	0.
	SPK0747				114 10.3					N	.15N	.7
OAKE RESERVOIR	NV00109	THOUSAND SPRING	I	MESQUITE LAN D CO	41 21.8	1421.0	137.	28.	33.	7.E	0. E	0.
	SPK0748	CREEK			114 5.0					N	1.32N	2.6
21 MILE RESERVOIR	NV00110	THOUSAND SPRINGS	I	MESQUITE LAN D CO	41 31.8	801.0	77.	43.	50.	5.E	0. E	0.
	SPK0749	CREEK			114 21.8					N	1.13N	2.2
NO NAME	NV00142	NO NAME	D	CLIFFS COPPE R CORP	41 49.0	15.0	60.	209.	60.	0.E	0. E	0.
	NPW2613				115 58.7					N	2.36N	3.6
LAMOILLE POWER PLANT	NV80001	LAMOILLE CREEK	H	NEVADA POWER CO	40 41.5	25.0	44.	910.	0.	0.E	0. E	0.
	SPK0750				115 28.5					N	17.82N	26.6
WELLS POWERPLANT	NV80002	TROUT CREEK	H	WELLS RURAL ELECTRIC COO	41 5.5	3.0	3.	200.	0.	0.E	0. E	0.
	SPK0751				115 7.0					N	.25N	.4

L E G E N D

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PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF NEVADA

(07/09/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: EUREKA					FERC POWER SUPPLY AREA 47			FERC REGIONAL OFFICE CODE SF				
LOWER MAGGIE CREEK	NVU0014 SPK0752	MAGGIE CREEK	IC		40 54.0 116 22.0	345.0	13.	70.	95.	32. U T	0. U .35 T	0. U .5
COUNTY NAME: HUMBOLDT					FERC POWER SUPPLY AREA 46			FERC REGIONAL OFFICE CODE SF				
CHIMNEY RESERVOIR	NVU0003 SPK0753	LITTLE HUMBOLDT RIVER	CI		41 23.2 117 11.4	790.0	15000000.	67.	90.	127. U T	0. U .42 T	0. U .8
SENTINEL ROCK	NVU0005 SPK0754	CROWLEY CREEK	IC		41 42.5 117 57.2	105.0	19.	67.	90.	19. U T	0. U .45 T	0. U .8
MCDERMITT CREEK RESERVOIR	NVU0006 SPK0755	MCDERMITT CREEK	IC		41 58.5 117 51.0	224.0	41.	163.	220.	52. U T	0. U 2.37 T	0. U 4.4
FORT MCDERMITT	NVU0007 SPK0756	QUINN RIVER	IC		41 58.5 117 35.0	140.0	26.	140.	190.	44. U T	0. U 1.28 T	0. U 2.4
SUGARLOAF RESERVOIR	NVU0008 SPK0757	MARTIN CREEK	IC		41 32.2 117 25.0	172.0	32.	259.	350.	167. U T	0. U 2.90 T	0. U 5.4
HARDSCRABBLE RESERVOIR	NVU0009 SPK0758	MARTIN CREEK	IC		41 35.5 117 19.0	108.0	20.	140.	190.	74. U T	0. U .99 T	0. U 1.8
GREELY FLAT RESERVOIR	NVU0010 SPK0759	NORTH FORK LITTLE HUMBOLDT	IC		41 39.8 117 12.0	120.0	22.	100.	135.	89. U T	0. U .78 T	0. U 1.4
HOT SPRINGS RESERVOIR	NVU0011 SPK0760	LITTLE HUMBOLDT RIVER	IC		41 24.5 117 20.0	1080.0	26.	59.	80.	52. U T	0. U .51 T	0. U .9
LOWER LATONS SPRING	NVU0012 SPK0761	SOUTH FORK LITTLE HUMBOLDT	IC		41 27.3 117 4.0	495.0	12.	81.	110.	67. U T	0. U .32 T	0. U .6
THOUSAND CREEK DAM	NV10118 NPW2614	THOUSAND CREEK	IR	DOI BSFW	41 53.7 118 39.5	60.0	30.	23.	31.	60. E N	0. E .09 N	0. E .2

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PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF NEVADA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE	DRAINAGE AREA (DM.M) (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: LANDER					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
ROCK CREEK RESER	NVU0013	ROCK CREEK	IC		40 52.5	615.0	30.	65.	85.	80. U	0. U	0.
VOIR	SPK0762				116 40.6					T	.73 T	1.0
COUNTY NAME: LYON					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
EUREKA RESERVOIR	NVU0018	CARSON RIVER	HIC		39 12.0	876.0	395.	200.	0.	0. U	0. U	0.
	SPK0763				119 38.0					T	19.10 T	84.5
PAIUTE RESERVOIR	NVU0118	CARSON RIVER OFF	C0		39 12.0	876.0	718.	11.	15.	5. U	0. U	0.
	SPK0764	STREAM			119 38.0					T	.95 T	4.5
26 FOOT DROP POW	NV00000	V CANAL (CARSON	H	SIERRA PACIF	39 29.0	2000.0	100.	26.	0.	0. E	.80 E	5.0
ER PLANT	SPK0765	RIVER)		IC POWER CO	118 53.5					N	.60 N	1.0
COUNTY NAME: MINERAL					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
WEBER RESERVOIR	NV10132	WALKER RIVER	I	DUI BIA	39 2.7	2700.0	158.	29.	35.	14. E	0. E	0.
	SPK0766				118 51.6					N	1.74 N	2.9
COUNTY NAME: PERSHING					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
UPPER PITT TAYLO	NV00062	HUMBOLDT RIVER	I	PCWCD	40 38.3	15700.0	207.	15.	18.	24. E	0. E	0.
R RESERVOIR	SPK0767				118 16.3					N	.27 N	1.1
LOWER PITT TAYLO	NV00063	HUMBOLDT RIVER	I	PCWCD	40 36.3	15700.0	207.	22.	26.	22. E	0. E	0.
R RESERVOIR	SPK0768				118 18.0					N	1.50 N	3.0
RYE PATCH RESERV	NV10124	HUMBOLDT RIVER	IRD.	DUI USBR	40 28.2	13700.0	167.	66.	66.	213. E	0. E	0.
OIR	SPK0769				118 18.0					N	3.92 N	7.7

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PRELIMINARY ESTIMATES

(07/09/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF NEVADA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: STOREY					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
DERBY DAM	NV10121	TRUCKEE RIVER	IHS	DOI USBR	39 35,2	1700,0	800,	15,	15,	1,	E 0,	E 0,
	SPK0770				119 26,8						N 2,31	N 3,1
COUNTY NAME: WASHOE					FERC POWER SUPPLY AREA 46		FERC REGIONAL OFFICE CODE SF					
UPPER WALL CREEK RESERVOIR	NV00023	WALL CREEK	I	LEWIS COCKRE	41 9,9	243,0	78,	47,	55,	2,	E 0,	E 0,
	SPK0771			LL	119 49,0						N 1,06	N 2,5
HIGHLAND RESERVOIR	NV00067	TRUCKEE RIVER	I	SIERRA PACIF	39 32,5	1067,0	679,	9,	10,	0,	E 0,	E 0,
	SPK0772			IC POWER CO	119 49,7						N ,74	N 4,0
MARLETTE LAKE	NV00069	MARLETTE CREEK	S	STATE OF NEV	39 10,3	3,0	8,	37,	43,	10,	E 0,	E 0,
	SPK0773			ADA	119 54,4						N ,09	N ,2
FLEISH POWERPLANT	NV80003	TRUCKEE RIVER	H	SIERRA PACIF	39 28,5	978,0	800,	125,	0,	0,	E 2,00	E 20,0
	SPK0774			IC POWER CO	119 59,5						N 0,	N 0,
VERDI POWER PLANT	NV80004	TRUCKEE RIVER	H	SIERRA PACIF	39 31,5	994,0	800,	96,	0,	0,	E 2,40	E 16,0
	SPK0775			IC POWER CO	119 58,7						N 0,	N 0,
VERDI DIVERSION DAM WASHOE POWER	NV80005	TRUCKEE RIVER	H	SIERRA PACIF	39 31,4	1028,0	800,	86,	0,	0,	E 1,50	E 14,0
	SPK0776			IC POWER CO	119 57,6						N 0,	N 0,
COUNTY NAME: WHITE PINE					FERC POWER SUPPLY AREA 47		FERC REGIONAL OFFICE CODE SF					
KEYSTONE RESERVOIR	NV00023	GLEASON CREEK	IC		39 18,0	55,0	95,	34,	46,	2,	U 0,	U 0,
	SPK0777				114 58,5						T 1,23	T 2,0

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STATE OF UTAH

PHYSICAL POTENTIAL FOR ADDITIONAL HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF UTAH

HEAD (FEET)	CHARACTER OF DEVELOPMENT	POTENTIAL INCREMENTAL CAPACITY RANGES															
		.05 MW - 15 MW				15 MW - 25 MW				GREATER THAN 25 MW				TOTAL			
		EXIST INST 1 CAP	EXIST INCR 2 CAP	UNDEV POTEN 3 CAP	TOTAL INCR 4 CAP	EXIST INST 1 CAP	EXIST INCR 2 CAP	UNDEV POTEN 3 CAP	TOTAL INCR 4 CAP	EXIST INST 1 CAP	EXIST INCR 2 CAP	UNDEV POTEN 3 CAP	TOTAL INCR 4 CAP	EXIST INST 1 CAP	EXIST INCR 2 CAP	UNDEV POTEN 3 CAP	TOTAL INCR 4 CAP
0-19	NUMBER	0	7	0	7	0	0	0	0	0	0	0	0	0	7	0	7
	CAPCTY	0.0	2.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5
	ENERGY	0.0	5.1	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	5.1
20-49	NUMBER	1	20	2	22	0	0	0	0	0	0	2	2	1	20	4	24
	CAPCTY	0.2	9.4	1.2	10.6	0.0	0.0	0.0	0.0	0.0	0.0	62.7	62.7	0.2	9.4	63.9	73.3
	ENERGY	1.1	20.9	2.1	23.0	0.0	0.0	0.0	0.0	0.0	0.0	116	116	1.1	20.9	118	139
50-99	NUMBER	3	22	10	32	0	0	0	0	0	0	2	2	3	22	12	34
	CAPCTY	2.2	29.0	13.4	42.5	0.0	0.0	0.0	0.0	0.0	0.0	263	263	2.2	29.0	277	306
	ENERGY	10.3	83.1	33.1	116	0.0	0.0	0.0	0.0	0.0	0.0	595	595	10.3	83.1	628	711
>100	NUMBER	34	30	12	42	0	3	4	7	2	2	16	18	36	35	32	67
	CAPCTY	49.4	93.8	66.0	160	0.0	66.5	81.6	148	138	147	3525	3672	187	307	3673	3980
	ENERGY	243	255	185	440	0.0	143	154	298	675	46.7	8174	8220	917	445	8513	8958
TOTAL	NUMBER	38	79	24	103	0	3	4	7	2	2	20	22	40	84	48	132
	CAPCTY	51.9	135	80.7	216	0.0	66.5	81.6	148	138	147	3851	3998	190	348	4014	4362
	ENERGY	254	364	220	584	0.0	143	154	298	675	46.7	8084	8931	929	554	9259	9813

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT
COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS
COLUMN 3 = UNDEVELOPED POTENTIAL
COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)
CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)
ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PRELIMINARY ESTIMATES

(07/10/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF UTAH

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: BEAVER					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
ROCKY FORD	UT00259	BEAVER RIVER	I	ROCKY FORD I	38 13,0	534,0	37,*	51,*	60,*	27,*E	0,* E	0,
	SPK0787			RR CO	112 50,0					*N	,54*N	1,4
BEAVER NO 2 POWE	UT00831	BEAVER RIVER	H	BEAVER CITY	38 17,1	90,0	50,*	140,*	0,*	0,*E	,28*E	1,4
RHOUSE	SPK0788			CORP	112 36,0					*N	0,* N	0,
COUNTY NAME: BOX ELDER					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
BLUE CREEK	UT00044	BLUE CREEK	I	BLUE CREEK I	41 8,4	93,0	70,*	38,*	45,*	3,*E	0, *E	0,
	SPK0789			RR CO	112 27,4					*N	,94*N	1,8
BOX ELDER CREEK	UT00050	BOX ELDER CREEK	I	BRIGHAM CITY	41 26,8	14,0	15,*	49,*	58,*	3,*E	0, *E	0,
	SPK0790			CONSER CO	111 54,8					*N	,30*N	,5
CUTLER	UT00079	BEAR RIVER	H I	UTAH POWER &	41 50,1	6267,0	2000,*	127,*	91,*	27,*E	30,00*E	74,5
	SPK0791			LIGHT CO	112 3,0					*N	2,95*N	51,9
MANTUA	UT00196	ROCK CREEK SPRIN	O	BRIGHAM CITY	41 29,6	15,0	16,*	21,*	25,*	8,*E	0, *E	0,
	SPK0792	G			111 56,1					*N	,14*N	,2
SOUTH JUNCTION R	UT00285	SOUTH JUNCTION C	I	DIV WATER RE	41 50,7	15,0	9,*	24,*	28,*	1,*E	0, *E	0,
ES	NPW2622	REEK		SOURCES	113 43,1					*N	,09*N	,1
BRIGHAM POWERHOU	UT08052	BOX ELDER CREEK	H	BRIGHAM CITY	41 30,1	12,0	16,*	575,*	0,*	0,*E	1,20*E	4,2
SE NO 1	SPK0793			CORP	111 59,3					*N	1,53*N	1,1
BRIGHAM POWERHOU	UT08053	BOX ELDER CREEK	H	BRIGHAM CITY	41 30,1	12,0	16,*	500,*	0,*	0,*E	,45*E	3,1
SE NO 2	SPK0794			CORP	111 59,7					*N	2,17*N	1,7
COUNTY NAME: CACHE					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
BEAVER NARROWS	UT00059	LOGAN RIVER	C		41 59,0	17,0	45,*	96,*	130,*	5,*U	0, *U	0,
	SPK0795				111 36,0					*T	1,66*T	3,0

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PRELIMINARY ESTIMATES

(07/10/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF UTAH

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: CACHE					FERC POWER SUPPLY AREA 41					FERC REGIONAL OFFICE CODE SF		
BLACKSMITH FORK (HARDWARE RANCH)	*UTU0060* *SPK0796*	BLACKSMITH FORK	*H		41 36,0 111 34,0	268,0*	129,*	96,*	130,*	13,*U *T	0, *U 1,93*T	0, 8,0
PORCUPINE	*UTU0025* *SPK0797*	EAST FK LITTLE B* EAR RIVER	*I	*PORCUPINE RE* *S CO	41 31,2 111 44,4	57,0*	38,*	123,*	151,*	13,*E *N	0, *E 1,85*N	0, 3,5
UPPER LOGAN CITY	*UTU0031* *SPK0798*	LOGAN RIVER	*H	*LOGAN CITY C* *ORP	41 45,0 111 42,2	214,0*	120,*	99,*	15,*	0,*E *N	1,40*E 0, *N	6,0 0,
LOGAN AGRICULTUR E POWERHOUSE	*UTU0806* *SPK0799*	LOGAN RIVER	*H	*UTAH STATE A* *GR COLLEGE	41 44,4 111 47,4	220,0*	247,*	99,*	0,*	0,*E *N	,45*E 3,70*N	1,3 14,2
HYRUM RESERVOIR	*UT10123* *SPK0800*	LITTLE BEAR RIVE* R	ICROH*	DOI USBR	41 37,5 111 52,5	217,0*	91,*	82,*	82,*	19,*E *N	,40*E ,97*N	3,0 2,6
NEWTON RESERVOIR	*UT10129* *SPK0801*	CLARKSTON CREEK	*I	*DOI USBR	41 54,0 111 59,0	58,0*	9,*	46,*	57,*	6,*E *N	0, *E ,60*N	0, ,9
COUNTY NAME: CARBON					FERC POWER SUPPLY AREA 41					FERC REGIONAL OFFICE CODE SF		
MCDONALD AND WAT EROUS DAMS	*UTU0001* *SPK0802*	WILLOW CREEK			39 48,0 110 46,0	62,0*	8,*	40,*	54,*	2,*U *T	0, *U ,77*T	0, 1,1
WHITE R TO GRAY CANYON RESERVOIR	*UTU0039* *SPK0803*	GREEN RIVER	*H		39 44,5 109 58,5	39500,0*	6215,*	52,*	0,*	0,*U *T	0, *U 98,15*T	0, 222,0
SCOFIELD	*UT10133* *SPK0804*	PRICE RIVER	*ICRO	*DOI USBR	39 47,2 111 7,5	163,0*	79,*	50,*	60,*	112,*E *N	0, *E 1,35*N	0, 2,8
COUNTY NAME: DAGGETT					FERC POWER SUPPLY AREA 41					FERC REGIONAL OFFICE CODE SF		
HICKERSON PARK	*UTU0002* *SPK0805*	SHEEP CREEK			40 53,0 109 53,0	43,0*	35,*	71,*	96,*	9,*U *T	0, *U 1,10*T	0, 1,5

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PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF UTAH

(07/10/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: DAGGETT					**FERC POWER SUPPLY AREA 41**			**FERC REGIONAL OFFICE CODE SF**				
FLAMING GORGE TO BACKWATER ECHO	UTU0031	GREEN RIVER	H		40 54.0	15100.0	2314.	32.	0.	0. *U	0. *U	0.
	SPK0806				109 24.0					*T	32.25*T	49.3
FLAMING GORGE RESERVOIR	UT10121	GREEN RIVER	HCSRO	DOI USBR	40 54.4	15150.0	2072.	435.	453.	4003. *E	108.00*E	600.0
	SPK0807				109 25.2					*N	0. *N	0.
COUNTY NAME: DUCHESNE					**FERC POWER SUPPLY AREA 41**			**FERC REGIONAL OFFICE CODE SF**				
UINTA RESERVOIR	UTU0029	UINTA RIVER	H		40 35.5	160.0	185.	1500.	0.	0. *U	0. *U	0.
	SPK0809				110 6.8					*T	78.35*T	187.5
UPPER ROCK CREEK	UTU0040	ROCK CREEK	H		40 35.0	98.0	147.	780.	0.	0. *U	0. *U	0.
	SPK0810				110 42.5					*T	24.00*T	41.0
LOWER ROCK CREEK	UTU0041	ROCK CREEK	H		40 32.0	131.0	154.	710.	0.	0. *U	0. *U	0.
	SPK0811				110 38.0					*T	37.11*T	55.7
YELLOWSTONE	UTU0044	YELLOWSTONE CREEK	H		40 34.5	110.0	109.	1500.	0.	0. *U	0. *U	0.
	SPK0814	K			110 19.5					*T	57.53*T	107.0
BIG SAND WASH RESERVOIR	UT00037	BIG SAND WASH	I	MOON LAKE WATER USERS AS	40 17.6	20.0	8.	72.	85.	12. *E	0. *E	0.
	SPK0815				110 13.8					*N	.18*N	.4
RED CREEK	UT00254	RED CREEK	I	RED CREEK IR R CO	40 18.2	39.0	10.	82.	97.	6. *E	0. *E	0.
	SPK0816				110 50.9					*N	1.00*N	1.7
YELLOWSTONE POWER DIVERSION	UT00303	YELLOWSTONE CREEK	H	MOON LAKE ELECTRIC	40 34.5	131.0	141.	250.	10.	0. *E	.90*E	6.5
	SPK0817	K			110 19.6					*N	3.71*N	13.9
TWIN POTS (FARNSWORTH RESERVOIR)	UT00306	WEST FK OF LAKE CREEK	I	MOON LAKE WATER USERS	40 30.4	128.0	148.	28.	33.	4. *E	0. *E	0.
	SPK0818				110 25.5					*N	.99*N	2.7
UINTAH POWERPLANT	UT08074	POLE CREEK	H	MOON LAKE ELEC ASSN INC	40 31.9	181.0	209.	450.	0.	0. *E	1.20*E	7.5
	SPK0819				110 3.9					*N	24.65*N	55.7

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PRELIMINARY ESTIMATES

(07/10/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF UTAH

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: **DUCHESNE**					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
MOON LAKE	UT10128	WEST FORK OF LAK	ICRD	DOI USBR	40 33.7	110.0	128.	75.	92.	51.*E	0. *E	0.
	SPK0820	E FORK RIVER			110 29.4					*N	2.13*N	6.1
STARVATION RESER	UT10136	STRAWBERRY RIVER	IR	DOI USBR	40 10.8	1045.0	127.	127.	156.	189.*E	0. *E	0.
VOIR	SPK0821				110 26.0					*N	3.67*N	12.0
COUNTY NAME: **EMERY**					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
GRAY CANYON DAM	UTU0033	GREEN RIVER	H		38 59.0	39100.0	6366.	105.	0.	0.*U	0. *U	0.
SITE TO GREEN RI	SPK0822				110 9.0					*T	196.17*T	443.6
GREEN RVR TO BAC	UTU0035	GREEN RIVER	H		38 36.5	40600.0	6388.	85.	0.	0.*U	0. *U	0.
KWATER JUNCTION	SPK0824				110 1.5					*T	164.90*T	372.9
COTTONWOOD RESER	UTU0037	COTTONWOOD CREEK	H		39 15.5	86.0	97.	780.	0.	0.*U	0. *U	0.
VOIR	SPK0825				111 6.5					*T	11.09*T	22.8
ELECTRIC LAKE	UT00100	HUNTINGTON CREEK	H	UTAH POWER &	39 37.2	130.0	67.	165.	194.	34.*E	0. *E	0.
	SPK0827			LIGHT CO	111 13.1					*N	3.54*N	7.3
MILLSITE	UT00212	FERRON CREEK	R	FERRON CR IR	39 5.8	138.0	68.	85.	100.	18.*E	0. *E	0.
	SPK0828			R CO	111 11.1					*N	2.21*N	3.5
BUCKHORN RESERVO	UT10114	TR-SAN RAFAEL RI	IC	DOI BLM	39 14.5	31.0	35.	16.	22.	5.*E	0. *E	0.
IR	SPK0829	VER			110 48.7					*N	.26*N	.4
HUNTINGTON NORTH	UT10122	HUNTINGTON CREEK	IR	DOI USBR	39 21.1	190.0	97.	48.	59.	6.*E	0. *E	0.
RESERVOIR	SPK0830	=OFFSTREAM=			110 57.2					*N	1.50*N	3.1
JOES VALLEY RESE	UT10124	SEELY CREEK	ICRD	DOI USBR	39 17.3	135.0	90.	145.	180.	72.*E	0. *E	0.
RVOIR	SPK0831				111 16.2					*N	2.74*N	5.3

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POTENTIAL HYDROPOWER SITES

IN THE STATE OF UTAH

(07/10/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: **GARFIELD**					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
ESCALANTE RESERVOIR	UTU0003	ESCALANTE RIVER			37 47.0	310.0	17.	109.	147.	23.	U 0.	U 0.
	SPK0832				111 34.0					T	2.24 T	7.3
PINE CREEK (HAWS)	UTU0004	ESCALANTE RIVER			37 49.0	94.0	5.	84.	113.	1.	U 0.	U 0.
	SPK0833				111 36.0					T	.11 T	.2
PANGUITCH LAKE	UT00238	BUNKER BLUE CLEA	I R	WEST PANGUIT	37 44.5	47.0	24.	21.	25.	19.	E 0.	E 0.
	SPK0834	R IPSOM CREEK		CH IRR + RES	112 37.5					N	.15 N	.3
COUNTY NAME: **GRAND**					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
MILL CREEK BELOW FORKS RESERVOIR	UTU0005	MILL CREEK			38 33.0	75.0	14.	152.	206.	10.	U 0.	U 0.
	SPK0835				109 28.0					T	.42 T	1.4
GRAY CANYON	UTU0032	GREEN RIVER	H		39 13.5	39100.0	6152.	470.	470.	2000.	U 0.	U 0.
	SPK0836				110 3.5					T	878.10 T	1985.8
MOAB RESERVOIR	UTU0047	COLORADO RIVER	H		38 36.0	24500.0	3855.	138.	0.	183.	U 0.	U 0.
	SPK0837				109 34.0					T	161.55 T	365.4
DEWEY RESERVOIR	UTU0048	COLORADO RIVER	H		38 48.0	24100.0	7655.	325.	0.	6300.	U 0.	U 0.
	SPK0838				109 19.0					T	180.00 T	800.0
COUNTY NAME: **IRON**					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
NEWCASTLE (PINTO CREEK)	UT00227	PINTO CREEK	I	NEWCASTLE RE	37 38.8	62.0	11.	54.	73.	5.	E 0.	E 0.
	SPK0839			8 CO	113 31.1					N	.17 N	.4
CENTER CREEK (PA ROWAN) POWERHOUS	UT08076	CENTER CREEK	H	PAROWAN CITY	37 50.5	60.0	7.	490.	0.	0.	E .60 E	2.0
	SPK0840			CORP	112 50.0					N	0. N	0.

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(07/10/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF UTAH

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COUNTY NAME: **JUAB**					FERC POWER SUPPLY AREA 41			FERC REGIONAL OFFICE CODE SF				
MONA RESERVOIR	UT00215	CURRENT CREEK	I	CURRENT CREE	39 52,7	303,0	22,*	20,*	27,*	21,*E	0,	0,
	SPK0841			K IRR CO	111 51,2					*N	,23*N	,7
SEVIER BRIDGE	UT00272	SEVIER RIVER	I	DELTA LAND +	39 22,3	5120,0	226,*	65,*	77,*	236,*E	0,	0,
	SPK0842			WATER ETAL	112 1,9					*N	3,76*N	9,5
COUNTY NAME: **MILLARD**					FERC POWER SUPPLY AREA 41			FERC REGIONAL OFFICE CODE SF				
D M A D	UT00080	SEVIER RIVER	I	D M A D CO	39 24,0	6270,0	187,*	25,*	29,*	11,*E	0,	0,
	SPK0843				112 28,9					*N	2,00*N	4,6
FOOL CREEK NO 1	UT00114	FOOL CREEK	I	CENTRAL UTAH	39 27,1	30,0	16,*	17,*	20,*	18,*E	0,	0,
	SPK0844			WATER CO	112 21,1					*N	,09*N	,2
FOOL CREEK NO 2	UT00115	FOOL CREEK	I	CENTRAL UTAH	39 27,1	30,0	16,*	13,*	15,*	5,*E	0,	0,
	SPK0845			WATER CO	112 22,2					*N	,07*N	,1
LAKE CREEK	UT00168	LAKE CREEK	I	LAKE CREEK R	38 53,9	1158,0	86,*	26,*	30,*	6,*E	0,	0,
	SPK0846			ES CO	114 1,1					*N	,58*N	1,5
SCIPIO LAKE	UT00269	ROUND VALLEY CRE	I	SCIPIO IRR C	39 7,3	65,0	34,*	14,*	16,*	10,*E	0,	0,
	SPK0847	EK		0	112 3,2					*N	,16*N	,3
COUNTY NAME: **MORGAN**					FERC POWER SUPPLY AREA 41			FERC REGIONAL OFFICE CODE SF				
DRY CREEK RESERV OIR	UTU0006	WEBER RIVER			41 8,0	1610,0	552,*	106,*	144,*	8,*U	0,	0,
	SPK0848				111 46,0					*T	10,92*T	35,6
HARD SCRABBLE	UTU0007	HARD SCRABBLE CR			40 56,0	24,0	22,*	127,*	172,*	6,*U	0,	0,
	SPK0849	EEK			111 44,0					*T	,40*T	2,0
INTERMEDIATE LOS T CREEK	UTU0009	LOST CREEK			41 14,0	69,0	52,*	80,*	108,*	4,*U	0,	0,
	SPK0850				111 21,0					*T	1,46*T	2,8

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POTENTIAL HYDROPOWER SITES

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COUNTY NAME: MORGAN					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
GATEWAY POWERHOU	UT00056	WEBER RIVER	H	WEBER BASIN	41 8.3	1610.0	552.	148.	0.	0.	E 4.28	15.4
SE	SPK0851			WTR CONS DIS	111 51.1						N 19.04	40.1
EAST CANYON RESE	UT10119	EAST CANYON CREE	ISCO	DOI USBR	40 55.2	142.0	53.	158.	195.	58.	E 0.	0.
RVOIR	SPK0852	K			111 36.0						N 2.95	12.0
LOST CREEK RESER	UT10125	LOST CREEK	ISROC	DOI USBR	41 11.1	123.0	24.	134.	161.	27.	E 0.	0.
VOIR	SPK0853				111 24.0						N 3.10	7.4
COUNTY NAME: PIUTE					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
OTTER CREEK	UT00235	OTTER CREEK	I	OTTER CREEK	38 10.2	330.0	12.	28.	35.	63.	E 0.	0.
	SPK0854			RES CO	112 1.2						N .66	2.0
PIUTE	UT00249	SEVIER RIVER	I	PIUTE RES +	38 19.4	2400.0	212.	53.	62.	74.	E 0.	0.
	SPK0855			IRR CO	112 11.2						N 1.63	6.4
UPPER BEAVER POW	UT00063	BEAVER RIVER	H	UTAH PWR + L	36 16.5	60.0	50.	1100.	0.	0.	E 2.40	11.0
ERPLANT	SPK0856			IGHT CO	112 28.5						N 0.	0.
BEAVER NO 1 POWE	UT00080	BEAVER RIVER	H	BEAVER CITY	38 16.2	80.0	50.	364.	0.	0.	E .63	3.1
RHOUSE	SPK0857			CORP	112 33.5						N 0.	0.
PARAGONAH	UT00088	RED CREED	H	UTAH PWR + L	=0 0.	60.0	50.	732.	0.	0.	E .50	1.6
	SPK0858			IGHT CO	=0 0.						N 0.	0.
COUNTY NAME: RICH					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
BIRCH CREEK	UT00041	BIRCH CREEK	I	WOODRUFF IRR	41 30.2	17.0	8.	77.	91.	2.	E 0.	0.
	SPK0859			CO	111 19.5						N .26	.4
NEPONSET	UT00225	KATES CREEK	O	DESERET LIVE	41 17.9	14.0	9.	16.	19.	6.	E 0.	0.
	SPK0860			STOCK CO	111 6.7						N .05	.1

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POTENTIAL HYDROPOWER SITES

IN THE STATE OF UTAH

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: **RICH**					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
WOODRUFF CREEK	UT00332	WOODRUFF CREEK	I	WOODRUFF CRE	41 28.1	50.0	33.	83.	101.	5.	E 0.	E 0.
	SPK0861			EK IRR CO	111 19.2						N .81	N 1.4
COUNTY NAME: **SALT LAKE**					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
BELL CANYON (LOWER)	UT00031	BELL CANYON	I	BELL CANYON	40 33.8	5.0	5.	48.	57.	0.	E 0.	E 0.
	SPK0862			IRR CO	111 47.8						N .08	N .2
BINGHAM CREEK	UT00039	BINGHAM CREEK	D	KENNECOTT CO	40 33.9	16.0	15.	62.	73.	2.	E 0.	E 0.
	SPK0863			PPER CORP	112 5.1						N .13	N .7
MOUNTAIN DELL	UT00221	PARLEYS CREEK	D	SALT LAKE CI	40 45.2	50.0	26.	119.	140.	3.	E 0.	E 0.
	SPK0864			TY CORP	111 43.4						N 2.17	N 4.3
GRANITE POWERHOUSE	UT08059	LITTLE COTTONWOOD CREEK	H	UTAH POWER A	40 34.3	42.0	44.	470.	0.	0.	E 1.50	E 6.1
	SPK0865	D CREEK		ND LIGHT CO	111 46.2						N 2.82	N 6.0
HYDRO (MURRAY) POWERPLANT	P UT08060	LITTLE COTTONWOOD CREEK	H	CITY OF MURR	40 35.1	42.0	44.	565.	0.	0.	E 1.00	E 4.7
	SPK0866	D CREEK		AY	111 50.5						N 1.78	N 6.7
STAIRS POWERHOUSE	UT08077	BIG COTTONWOOD C	H	UTAH POWER A	40 37.4	40.0	42.	370.	0.	0.	E 1.00	E 5.0
	SPK0867	REEK		ND LIGHT CO	111 45.1						N 2.75	N 4.6
COUNTY NAME: **SAN JUAN**					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
UPPER MILL CREEK	UTU0008	MILL CREEK	H		38 29.0	28.0	5.	78.	106.	1.	U 0.	U 0.
	SPK0868				109 24.0						T .08	T .3
LAKE POWELL TO UPPER MOAB	UTU0050	COLORADO RIVER	H		38 4.0	67734.0	10657.	249.	0.	0.	U 0.	U 0.
	SPK0869				110 3.0						T 805.89	T 1822.5
GOOSENECKS	UTU0052	SAN JUAN RIVER	H		37 9.0	23200.0	2586.	177.	0.	0.	U 0.	U 0.
	SPK0871				109 56.0						T 135.45	T 294.1

LEGEND

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PRELIMINARY ESTIMATES

(07/10/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF UTAH

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: SAN JUAN						FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF				
BLUFF (CHINLE)	UT00054	SAN JUAN RIVER	H		37 11.5	22900.0	2586.	354.	0.	7000. U	0. U	0.
	SPK0873				109 44.0					T	267.39 T	580.6
COUNTY NAME: SANPETE						FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF				
GUNNISON	UT00130	SAN PITCH RIVER	I	GUNNISON IRR	39 12.8	672.0	48.*	28.*	33.*	18.*E	0. *E	0.
	SPK0874			CO	111 42.5					N	.49 N	.7
GUNNISON BEND	UT00131	SEVIER RIVER	I	DESERET IRR	39 20.7	6270.0	187.*	18.*	21.*	10.*E	0. *E	0.
	SPK0875			CO	112 37.5					N	1.65 N	3.5
HIGHLAND (NINE MILE RESERVOIR)	UT00138	NINE MILE CREEK	I	HIGHLAND CAN AL CO	39 10.3	9.0	10.*	26.*	31.*	4.*E	0. *E	0.
	SPK0876				111 43.1					N	.12 N	.2
HUNTINGTON	UT00144	SPRING CREEK	I	HUNTINGTON-C LEVELAND IRR	39 35.1	5.0	6.*	30.*	37.*	3.*E	0. *E	0.
	SPK0877				111 15.7					N	.08 N	.1
MILLER FLAT	UT00210	MILLER FLAT CREE	I R	HUNTINGTON-C	39 32.4	9.0	10.*	60.*	70.*	6.*E	0. *E	0.
	SPK0878	K		LEVELAND IRR	111 14.5					N	.27 N	.4
EPHRAIM NO 1 POWERHOUSE	UT00054	EPHRAIM CREEK	H	CITY OF EPHR AIM	39 20.5	5.2	6.*	1370.	0.*	0.*E	.15 E	.8
	SPK0879				111 32.7					N	2.41 N	3.5
EPHRAIM NO 2 POWERHOUSE	UT00055	EPHRAIM CREEK	H	CITY OF EPHR AIM	39 20.2	1.0	2.*	1160.	0.*	0.*E	0. *E	0.
	SPK0880				111 31.5					N	1.31 N	1.5
LOWER MOUNT PLEASANT POWERHOUSE	UT00062	PLEASANT CREEK	H	MT PLEASANT CITY CORP	39 32.4	6.3	7.*	315.	0.*	0.*E	.15 E	.1
	SPK0881				111 22.5					N	.60 N	1.1
LOWER FAIRVIEW POWERHOUSE	UT00064	COTTONWOOD CREEK	H	FAIRVIEW CIT Y CORP	39 36.2	12.0	14.*	390.	0.*	0.*E	.10 E	.3
	SPK0882				111 25.3					N	2.15 N	2.9
MANTI POWERHOUSE	UT00066	MANTI CREEK	H	MANTI CITY L IGHT AND POW	39 15.4	27.0	31.*	366.	0.*	0.*E	.12 E	.8
	SPK0883				111 36.6					N	2.80 N	4.7

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(07/10/79)

POTENTIAL HYDROPOWER SITES

IN THE STATE OF UTAH

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COUNTY NAME: SANPETE					FERC POWER SUPPLY AREA 41			FERC REGIONAL OFFICE CODE SF				
MOUNTAIN SPRINGS POWERHOUSE	UT08067 SPK0884	MANTI CREEK	H	MANTI CITY LIGHT AND POW	L 39 15.4 111 37.3	27.0	31.	2618.	0.	0.	E .40 N 35.37	E 2.4 N 46.7
UPPER MOUNT PLEASANT POWERHOUSE	UT08075 SPK0885	PLEASANT CREEK	H	MOUNT PLEASANT CITY CORP	39 32.0 111 21.6	1.0	2.	415.	0.	0.	E .18 N .30	E .1 N .4
FOUNTAIN GREEN POWERHOUSE	UT08078 SPK0886	BIG SPRINGS	H	UTAH PWR + LIGHT CO	L 39 38.5 111 40.0	1.0	1.	200.	0.	0.	E .32 N 0.	E 1.3 N 0.
COUNTY NAME: SEVIER					FERC POWER SUPPLY AREA 41			FERC REGIONAL OFFICE CODE SF				
FORSYTH	UT00117 SPK0687	EAST FORK OF FRE MONT RIVER	I R	FREMONT IRR CO	38 31.0 111 31.9	78.0	37.	50.	59.	3.	0. E .77 N	0. E 1.2 N
JOHNSON	UT00153 SPK0888	SEVEN MILE CREEK	I R	FREMONT IRR CO	38 36.5 111 38.0	25.0	15.	23.	31.	15.	E 0. N .13	E 0. N .5
THREE CREEKS RESERVOIR	UT00298 SPK0889	THREE CREEKS	I R	KENTS LAKE IRR CO	38 37.7 112 25.3	10.0	15.	71.	64.	2.	E 0. N .17	E 0. N .7
LOWER MONROE POWERHOUSE	UT08082 SPK0890	MONROE CREEK	H	MONROE CITY CORP	38 36.0 112 7.0	39.0	24.	284.	0.	0.	E .10 N 1.99	E .4 N 4.1
UPPER MONROE POWERHOUSE	UT08083 SPK0891	MONROE CREEK	H	MONROE CITY CORP	38 36.5 112 6.0	39.0	24.	1450.	0.	0.	E .13 N 10.53	E .5 N 22.3
COUNTY NAME: SUMMIT					FERC POWER SUPPLY AREA 41			FERC REGIONAL OFFICE CODE SF				
JEREMY POINT	UTU0010 SPK0892	EAST CANYON CREEK			40 48.0 111 35.0	208.0	284.	112.	151.	37.	U 0. T 2.99	U 0. T 12.3
LOWER LARABEE FLATS	UTU0011 SPK0893	WEBER RIVER			40 48.0 111 5.0	75.0	102.	100.	135.	9.	U 0. T 2.91	U 0. T 6.0

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PRELIMINARY ESTIMATES

POTENTIAL HYDROPOWER SITES

IN THE STATE OF UTAH

(07/10/79)

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT) (3)	CAPACITY (MW) (3)	ENERGY (GWH) (3)
COUNTY NAME: SUMMIT						FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF				
SILVER CREEK	UTU0012	SILVER CREEK	H		40 41,5	20,0	18,*	52,*	70,*	20,*U	0,*U	0,
	SPK0894				111 28,0					*T	,13*T	,7
SOUTH FORK WEBER	UTU0013	SOUTH FORK WEBER	H		40 45,0	163,0	222,*	72,*	97,*	1,*U	0,*U	0,
	SPK0895	RIVER			111 14,0					*T	3,26*T	8,3
HEINERS CREEK	UT00134	HEINERS CREEK	O	DESERET LIVE	41 4,0	18,0	20,*	20,*	24,*	0,*E	0,*E	0,
	SPK0896			STOCK CO	111 18,9					*N	,16*N	,3
HOOP LAKE	UT00143	EAST FORK OF BEA	I R C	HOOP LAKE RE	40 55,4	8,0	7,*	31,*	36,*	5,*E	0,*E	0,
	SPK0897	VER CREEK		S + IRR CO	110 7,5					*N	,08*N	,1
WHITNEY RESERVOI R	UT00324	WEST FORK OF BEA	I C R	UPR BEAR RVR	40 50,5	7,0	9,*	55,*	66,*	5,*E	0,*E	0,
	SPK0898	R RIVER		+ MILL CRK	110 55,6					*N	,07*N	,2
ECHO RESERVOIR	UT10120	WEBER RIVER	IR	DOI USBR	40 57,8	732,0	200,*	94,*	110,*	74,*E	0,*E	0,
	SPK0899				111 25,9					*N	5,05*N	17,9
ROCKPORT LAKE	UT10131	WEBER RIVER	ISROC	DOI USBR	40 47,4	332,0	182,*	111,*	150,*	76,*E	1,43*E	5,7
	SPK0900		H		111 24,2					*N	1,68*N	4,2
COUNTY NAME: TOOELE						FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF				
SETTLEMENT CANYO N	UT00270	SETTLEMENT CANYO	IS	SETTLEMENT C	40 30,7	18,0	17,*	65,*	82,*	1,*E	0,*E	0,
	SPK0901	N CREEK		ANYON IRR CO	112 17,8					*N	,15*N	,8
COUNTY NAME: UINTAH						FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF				
SPLIT MOUNTAIN R ESERVOIR	UTU0045	GREEN RIVER	H		40 25,5	22880,0	3600,*	315,*	0,*	335,*U	0,*U	0,
	SPK0903				109 17,5					*T	344,38*T	778,8
ASHLEY CREEK RES ERVOIR	UTU0046	ASHLEY CREEK	H		40 37,0	62,0	67,*	1700,*	0,*	0,*U	0,*U	0,
	SPK0904				109 38,0					*T	36,75*T	68,3

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POTENTIAL HYDROPOWER SITES

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COUNTY NAME: **UINTAH**					FERC POWER SUPPLY AREA 41			FERC REGIONAL OFFICE CODE SF				
OAKS PARK RESERV	UT00234	BIG BRUSH CREEK	I R	ASHLEY VALLE	40 45.0	12.0	9.*	41.*	49.*	7.*E	0. *E	0.
OIR	SPK0905		Y RES CO	109 37.1						*N	.16*N	.2
STEINAKER RESERV	UT10113	ASHLEY CREEK OFF	ICSR	DOI USBR	40 30.0	20.0	16.*	110.*	132.*	40.*E	0. *E	0.
OIR	SPK0906	STREAM			109 32.0					*N	.80*N	1.1
COUNTY NAME: **UTAH**					FERC POWER SUPPLY AREA 41			FERC REGIONAL OFFICE CODE SF				
ALTA TUNNEL POWE	UTU0017	LITTLE COTTONWOO	H		40 34.0	27.0	25.*	650.*	0.*	0.*U	0. *U	0.
RHOUSE	SPK0907	D CREEK			111 42.5					*T	2.28*T	11.8
TIBBLE FORK	UT00299	NORTH FORK OF AM	C	NO UT CO WAT	40 28.9	35.0	32.*	40.*	47.*	0.*E	0. *E	0.
	SPK0911	ERICAN FORK		ER CONS DIST	111 36.7					*N	.18*N	.9
AMERICAN FORK PH	UT08050	AMERICAN FORK	H	UTAH POWER A	40 21.9	52.0	55.*	574.*	0.*	0.*E	.95*E	6.5
	SPK0912			ND LIGHT	111 42.0					*N	9.92*N	15.3
BARTHOLOMEW POWE	UT08051	HOBBLE CREEK	H	SPRINGVILLE	40 9.5	98.0	43.*	890.*	0.*	0.*E	.50*E	2.0
RHOUSE	SPK0913			MUN CORP	111 31.5					*N	11.52*N	22.1
LOWER STRAWBERRY	UT08065	SPANISH FORK CRE	H	STRAWBERRY W	40 4.8	0.	175.*	48.*	0.*	0.*E	.25*E	1.1
POWERHOUSE	SPK0914	EK		TR USERS ASS	111 36.2					*N	0. *N	0.
OLMSTED POWERHOU	UT08068	PROVO RIVER	H	UTAH POWER A	40 18.7	640.0	83.*	340.*	0.*	0.*E	12.70*E	59.3
SE	SPK0915			ND LIGHT CO	111 39.4					*N	0. *N	0.
PAYSON POWERHOUS	UT08069	PETEETNEET CREEK	H	STRAWBERRY W	40 .8	26.0	24.*	636.*	0.*	0.*E	.40*E	1.9
E	SPK0916			TR USERS ASS	111 42.5					*N	1.75*N	9.2
UPPER STRAWBERRY	UT08087	SPANISH FORK	H	STRAWBERRY W	=0 0.	0.	175.*	123.*	0.*	0.*E	.90*E	5.2
PH	SPK0917			TR USERS ASS	=0 0.					*N	0. *N	0.

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COUNTY NAME: **WASATCH**					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
STRAWBERRY RIVER AT STINKING SPR	UTU0015 SPK0918	STRAWBERRY RIVER	H		40 8,0 / 111 2,0	210,0	31,*	52,*	71,*	7,*U / *T	0, *U / ,87*T	0, / 2,3
SYAR	UTU0024 SPK0919	STRAWBERRY OFFST REAM	H		40 7,0 / 111 ,5	215,0	71,*	431,*	0,*	0,*U / *T	0, *U / 4,87*T	0, / 17,4
HEBER POWERHOUSE	UT08057 SPK0920	PROVO RIVER	H	SPRINGVILLE MUN CORP	40 34,1 / 111 25,5	240,0*	327,*	120,*	0,*	0,*E / *N	,60*E / 2,89*N	4,5 / 10,4
SNAKE CREEK POWERHOUSE (HEBER LI	UT08071 SPK0921	SNAKE CREEK	H	HEBER LIGHT AND PWR PLAN	40 33,6 / 111 31,7	,6*	0,*	1895,*	0,*	0,*E / *N	,80*E / 0, *N	4,5 / 0,
SNAKE CREEK POWERHOUSE (UTAH POW	UT08072 SPK0922	SNAKE CREEK	H	UTAH POWER A ND LIGHT CO	40 32,7 / 111 30,2	7,0*	6,*	752,*	0,*	0,*E / *N	1,18*E / 0, *N	3,2 / 0,
DEER CREEK RESERVOIR	UT10117 SPK0923	PROVO RIVER	IHC	SD DOI USBR	40 24,0 / 111 32,0	560,0*	377,*	140,*	150,*	161,*E / *N	4,95*E / 0, *N	26,8 / 0,
STRAWBERRY RESERVOIR (SOLDIER CR	UT10135 SPK0924	STRAWBERRY RIVER	ICRD	DOI USBR	40 8,4 / 111 6,2	210,0*	51,*	205,*	243,*	1127,*E / *N	0, *E / 2,69*N	0, / 8,4
COUNTY NAME: **WAYNE**					FERC POWER SUPPLY AREA 41		FERC REGIONAL OFFICE CODE SF					
THURBER RESERVOIR	UTU0016 SPK0925	FREEMONT RIVER	H		38 18,6 / 111 30,0	700,0*	44,*	35,*	48,*	47,*U / *T	0, *U / ,46*T	0, / 1,1
TAILRACE OF TORREY TO CAPITOL RE	UTU0049 SPK0926	FREEMONT RIVER	H		38 17,0 / 111 14,0	888,0*	56,*	1240,*	0,*	0,*U / *T	0, *U / 20,57*T	0, / 47,5
MILL MEADOW	UT00208 SPK0927	FREMONT RIVER	I R	FREMONT IRR CO	38 29,7 / 111 34,3	173,0*	83,*	77,*	90,*	5,*E / *N	0, *E / 2,07*N	0, / 3,8

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POTENTIAL HYDROPOWER SITES

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COUNTY NAME: **WEBER**					FERC POWER SUPPLY AREA 41			FERC REGIONAL OFFICE CODE SF				
PIONEER POWERHOU	UT00070	OGDEN RIVER	H	UTAH POWER A	41 14,6	310,0	10,*	423,*	0,*	0,*E	5,00*E	25,7
SE	SPK0928			ND LIGHT CO	111 56,7					*N	0, *N	0,
WEBER PH	UT00085	WEBER RIVER	H	UTAH PWR AND	41 4,0	=0,	0,*	184,*	0,*	0,*E	2,50*E	19,3
	SPK0929			LGHT CO,	111 53,0					*N	22,88*N	47,3
CAUSEY RESERVOIR	UT10116	SOUTH FORK OGDEN	IORC	DOI USBR	41 17,9	81,0	112,*	148,*	193,*	9,*E	0, *E	0,
	SPK0930	RIVER			111 35,5					*N	2,79*N	5,8
PINEVIEW RESERVO	UT10132	OGDEN RIVER	ISCRO	DOI USBR	41 15,0	298,0	10,*	74,*	89,*	116,*E	0, *E	0,
IR	SPK0931				111 50,0					*N	1,65*N	6,9

LEGEND

(1) = TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID, BOTTOM LINE DEFINES (U,S,A,C,E,) OFFICE AND SITE ID,
(2) = PROJECT PURPOSE: I=IRRIGATION, H=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=WATER SUPPLY, R=RECREATION,
(2) D=DEBRIS CONTROL, P=FARM POND, O=OTHER
(3) = E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
(3) = U=INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

APPENDIX II

U.S. ARMY CORPS OF ENGINEERS

NATIONAL HYDROELECTRIC POWER RESOURCES STUDY

PRELIMINARY INVENTORY OF HYDROPOWER RESOURCES

DESCRIPTION OF TERMS

PRELIMINARY INVENTORY OF HYDROPOWER RESOURCES

DESCRIPTION OF TERMS

ACRE FOOT: (AcFt) A measure of volume. An acre (43,560 square feet) of water, one foot deep (43,560 cubic feet).

AVERAGE ANNUAL INFLOW: The average yearly inflow into a reservoir for the historical period of record, measured in cubic feet per second (cfs).

CAPABILITY: The maximum load which a generator, generating station, or other electrical apparatus can supply under specified conditions for a given period of time, without exceeding approved limits of temperature and stress.

CAPACITY: The load for which a generating unit, generating station, or other electricl apparatus is rated either by the user or manufacturers' nameplate rating. Capacity is sometimes used synonymously with capability.

CONVENTIONAL HYDROELECTRIC POWER PLANT: An electric power plant utilizing falling water from stream flow or reservoir storage as the primary motive force of electrical generation.

DEMAND: The rate at which electric energy is required.

ELECTRIC ENERGY/POWER: That which does or is capable of doing work; measured in terms of the work it is capable of doing; i.e., kilowatt-hours.

EXISTING FACILITIES: A dam or other existing water resource project which has created a hydraulic head suitable for generating hydroelectric power. Such facilities include, but are not limited to:

- Irrigation drop structures and canals.
- Existing dams without any provisions for installing power facilities.
- Existing dams with minimum facilities for installing power in the future; i.e., intakes and penstocks usually have been installed.
- Existing dams with generating facilities and with additional space constructed for adding more generating equipment.
- Existing dams with generating equipment installed; however, a potential exists for additional power generation.

FLOW DURATION CURVE: A plot of stream flows ranked in descending order of magnitude, against time intervals, for a specific period.

FOSSIL FUEL: Refers to coal, oil, and natural gas.

GENERATOR: A machine which transforms mechanical energy from the prime mover (turbines) into electric energy.

GIGAWATT (GW): One million (1,000,000) kilowatts.

GIGAWATT-HOURS (GWH): One million kilowatt-hours.

HEIGHT OF DAM: Distance from streambed at dam centerline to the top of the dam with respect to maximum storage capacity.

HYDROELECTRIC POWER: Electrical energy derived from the energy of falling or flowing water.

INCREMENTAL DEVELOPMENT: The estimated hydroelectric power potential that can be added to an existing facility or water resource project.

INSTALLED CAPACITY: The total of the capacities as shown by the nameplates of the generating units in a station or system.

KILOWATT-HOURS (KWH): The basic unit of electric energy equal to one kilowatt demand over a period of one hour, equal to 3,413 BTU.

LOAD: The amount of electric power delivered at a given point or points in a system.

L/D: An indication that the existing project is a dam with a navigation lock included; lock and dam.

MEGAWATTS (MW): A million watts or 1,000 kilowatts.

MEGAWATT-HOURS (MW): 1,000,000 watt-hours or 1,000 KWH.

NAMEPLATE RATING: The full-load, continuous operation rating of a generator, prime mover or other electrical equipment under specified conditions as designated by the manufacturer.

NET POWER HEAD: The difference between the elevations of the power pool and the tailwater less hydraulic and mechanical losses in the waterways.

NUCLEAR POWER PLANT: An electric generating plant utilizing the heat from a nuclear reactor as the source of power.

PENSTOCK: A conduit used to convey water to the turbine units of a hydroelectric plant.

PLANT FACTOR: The ratio of the average load on the plant for the period of time considered to the aggregrate rating of all the generating equipment installed in the plant.

POTENTIAL HYDROELECTRIC POWER: The aggregate capacity capable of being developed by practical use of available stream flow and net power head.

POWER HOUSE: An electric generating station at which is located prime movers, electric generators, and auxiliary equipment for producing electric energy.

PUMPED STORAGE POWER PLANT: A hydropower plant where electric energy is generated for peak load use by utilizing water pumped into a storage reservoir, usually during off-peak hours.

SMALL-SCALE HYDROELECTRIC POWER PLANT: A hydroelectric generating station with less than 15 MW of installed capacity.

THERMAL GENERATING FACILITY: A generating plant which uses heat as the source of energy for the prime mover. Such plants may burn fossil fuels or use nuclear energy to produce the heat.

UNDEVELOPED SITES: No dam or other structure exists at this site to create the hydraulic head needed for generating hydroelectric energy. However, the topography of the site is favorable for developing a hydroelectric power project.

WATER RESOURCE PROJECT: A facility planned and constructed to obtain one or more uses or benefits from water. Purposes or uses may include navigation, flood control, hydroelectric power, land and water recreation, irrigation, water supply and water quality management.

WATT: The rate of energy transfer equivalent to one ampere under a pressure of one volt at unity power factor.

APPENDIX III

U.S. ARMY CORPS OF ENGINEERS

NATIONAL HYDROELECTRIC POWER RESOURCES STUDY

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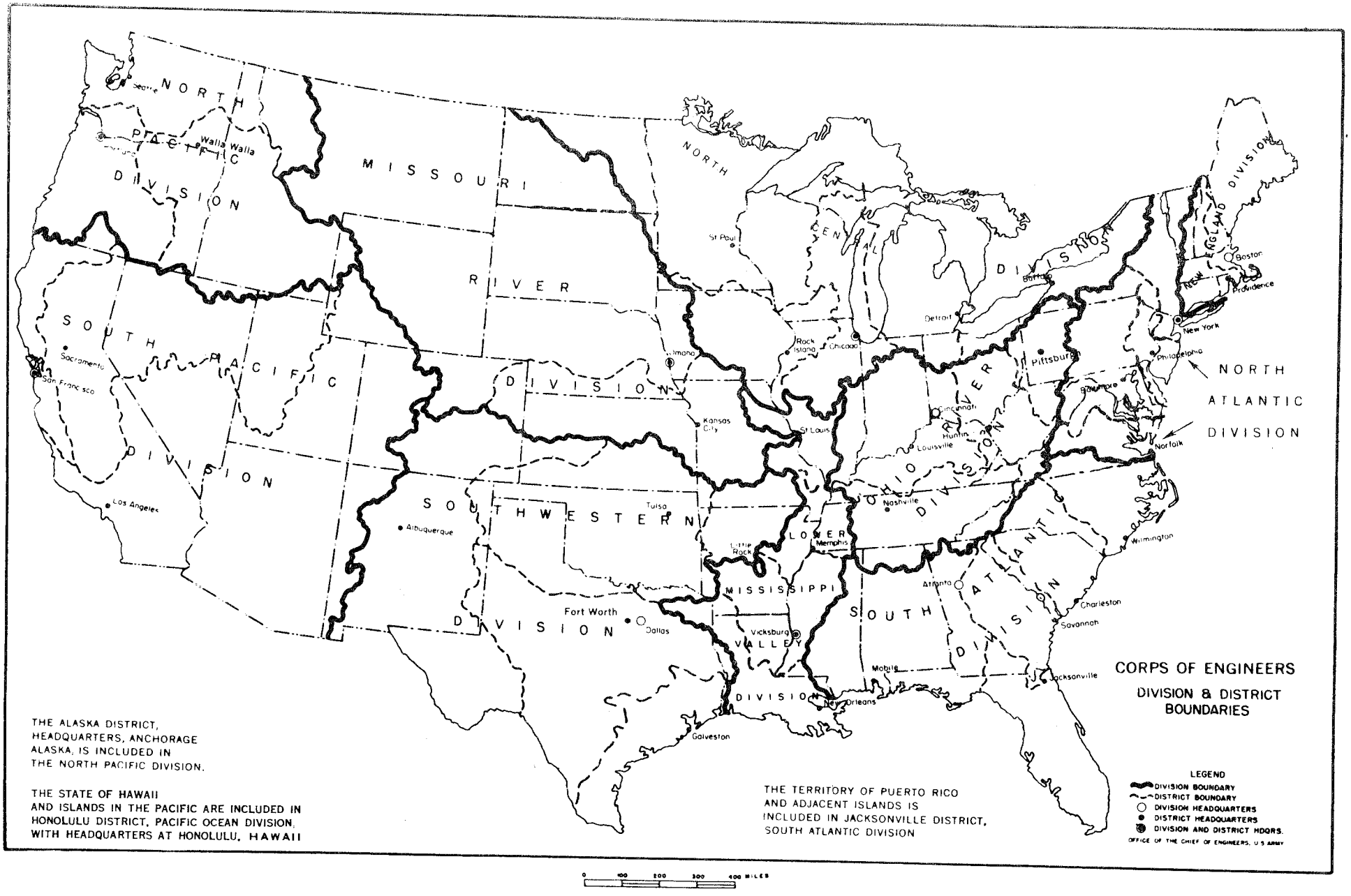

CORPS OF ENGINEERS

DIVISION & DISTRICT BOUNDARIES

THE ALASKA DISTRICT, HEADQUARTERS, ANCHORAGE ALASKA, IS INCLUDED IN THE NORTH PACIFIC DIVISION.

THE STATE OF HAWAII AND ISLANDS IN THE PACIFIC ARE INCLUDED IN HONOLULU DISTRICT, PACIFIC OCEAN DIVISION, WITH HEADQUARTERS AT HONOLULU, HAWAII

THE TERRITORY OF PUERTO RICO AND ADJACENT ISLANDS IS INCLUDED IN JACKSONVILLE DISTRICT, SOUTH ATLANTIC DIVISION

LEGEND

- DIVISION BOUNDARY
- DISTRICT BOUNDARY
- ○ DIVISION HEADQUARTERS
- ● DISTRICT HEADQUARTERS
- ◉ DIVISION AND DISTRICT HDQRS.

OFFICE OF THE CHIEF OF ENGINEERS, U.S. ARMY

DISTRICT REPRESENTATIVES

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