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NATIONAL HYDROELECTRIC POWER RESOURCES STUDY. PRELIMINARY INVEN--ETC(U)
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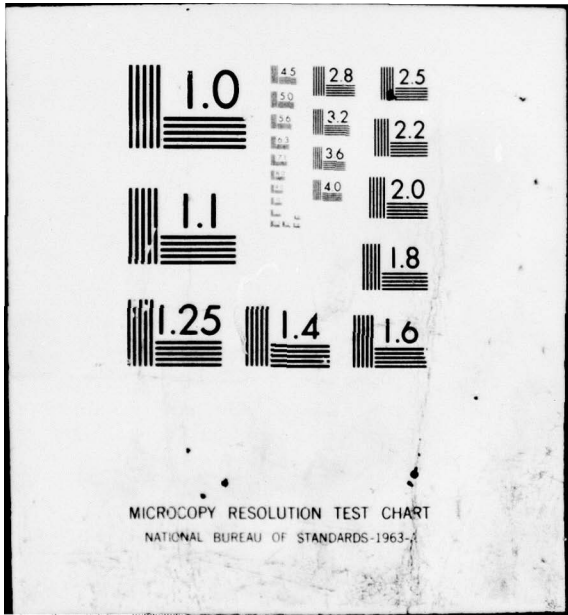
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NATIONAL HYDROELECTRIC POWER RESOURCES STUDY

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PRELIMINARY INVENTORY OF HYDROPOWER RESOURCES
Volume 2: PACIFIC SOUTHWEST REGION

Volume 2

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER N/A	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) PRELIMINARY INVENTORY OF HYDROPOWER RESOURCES, National Hydroelectric Power Resources Study Volume 2, Pacific Southwest Region A075 962		5. TYPE OF REPORT & PERIOD COVERED Interim Report
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s)		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS U.S. Army Corps of Engineers Institute for Water Resources, Ft. Belvoir, VA and the Hydrologic Engineering Center, Davis, CA		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS U.S. Army Corps of Engineers Institute for Water Resources, Kingman Building Ft. Belvoir, VA 22060		12. REPORT DATE July 1979
		13. NUMBER OF PAGES 137
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report) Approved for public release; distribution unlimited.		
18. SUPPLEMENTARY NOTES Published in six (6) regional volumes.		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Hydroelectric Power Resources Inventory for: Arizona, California, Existing Hawaii, Nevada, Utah Incremental Undeveloped Capactiy Energy		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The Preliminary Inventory of Hydropower Resources (PIHR) a preliminary product of the National Hydropower Study (NHS), was published in six (6) volumes (regions) to facilitate reproduction and distribution. The PIHR contains general as well as site-specific information on our nation's hydroelectric power potential. It gives estimates of existing, incremental and undeveloped hydropower potential by state and region and furthermore, breaks these categories down into size ranges of small-scale (.05-15 MW) intermediate (15-25 MW) and large-scale (greater than 25MW) sites. Because the inventory is a preliminary product of the NHS, it may		

Cont → be superseded at some future date.

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 estimated 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 compared.

b. The analysis technique of maximum net benefits, using incomplete project costs, 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 unacceptable fluctuations in the surface elevation of the reservoir or downstream flow.

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 in fact, 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.

10 Wayne R. Sigles,
James R. Hanchey
Darrell G. Holton

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U.S. ARMY CORPS OF ENGINEERS

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PRELIMINARY INVENTORY OF HYDROPOWER RESOURCES,
VOLUME 2, ⁹ PACIFIC SOUTHWEST REGION.

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ACKNOWLEDGEMENTS

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 1977¹. 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

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 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. 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

²U.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

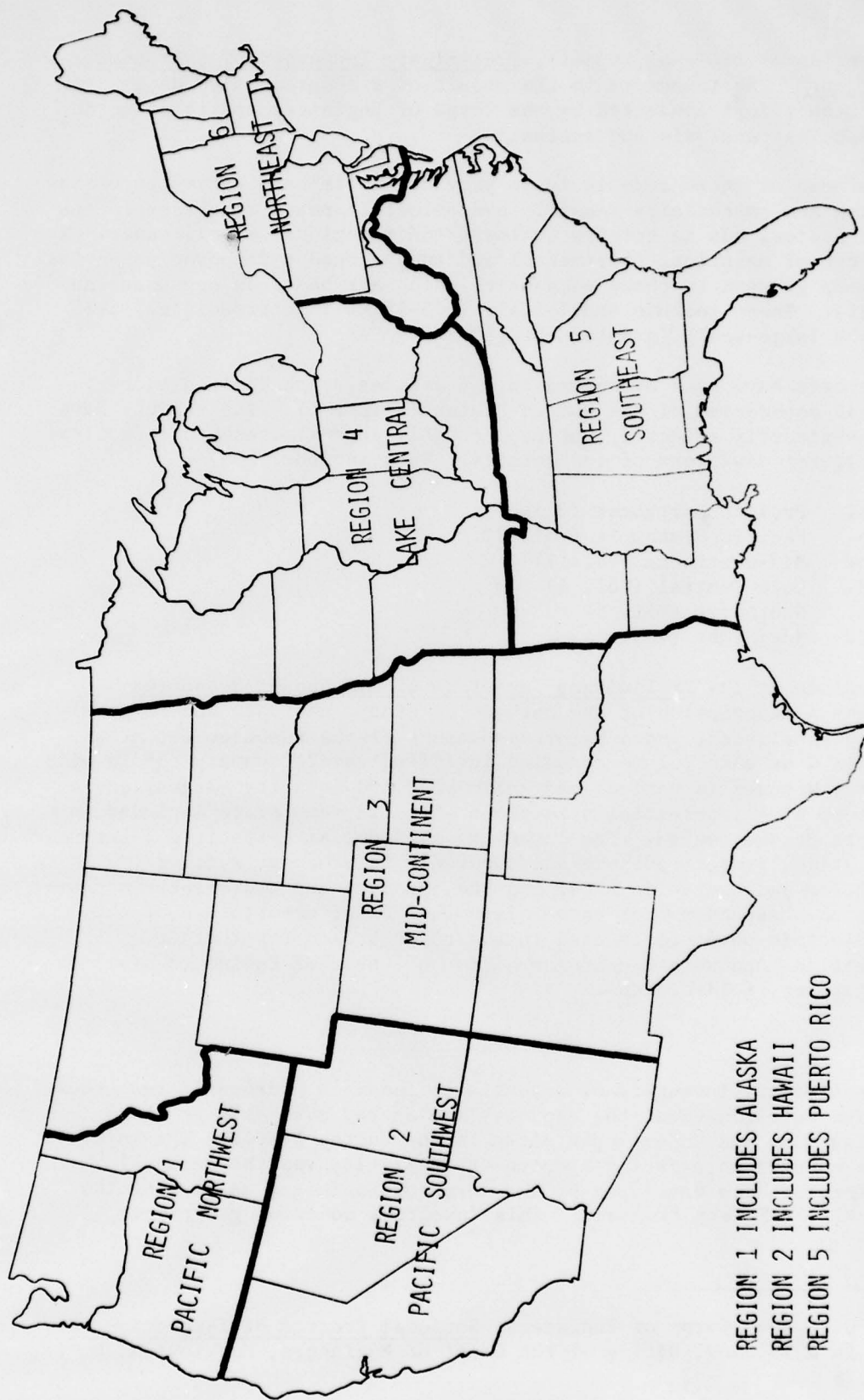


Figure 1: REGIONS AS DEFINED FOR THE PRELIMINARY INVENTORY OF HYDROPOWER RESOURCES

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 in fact, 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

REGION	REGIONAL SUMMARIES												TOTAL									
	EXISTING, ¹ POTENTIAL INCREMENTAL ² AND UNDEVELOPED ³ CAPACITY RANGES																					
	Small-Scale (.05-15 MW)		Intermediate (15-25 MW)		Large-Scale (Greater Than 25 MW)		Exist		Undev		Total		(All Sizes)		Exist		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	259,705	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	15,850	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	Undev	Total		
	Exist	Incr	Total	Exist	Incr	Total	Exist	Incr	Total	Exist	Incr	Total					
Vol. 6*																	
Northeast																	
No. of Sites	270	2,231	143	26	20	65	19	85	58	170	316	2,342	221	2,879			
Cap. (MW)	914	1,771	491	524	400	1,278	354	16,446	7,568	28,798	6,053	18,737	8,457	33,247			
Emer (GWH)	4,620	6,009	1,531	1,533	938	4,084	1,613	81,898	28,610	136,784	32,508	89,440	31,078	153,026			
NATIONAL TOTAL																	
No. of Sites	842	4,813	2,642	166	387	634	81	445	1,503	2,276	1,251	5,424	4,532	11,207			
Cap. (MW)	2,957	5,455	8,010	3,320	7,722	12,559	1,517	85,859	338,217	483,306	63,702	94,636	353,948	512,286			
Emer (GWH)	15,048	17,267	28,843	7,859	23,503	38,079	6,717	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).

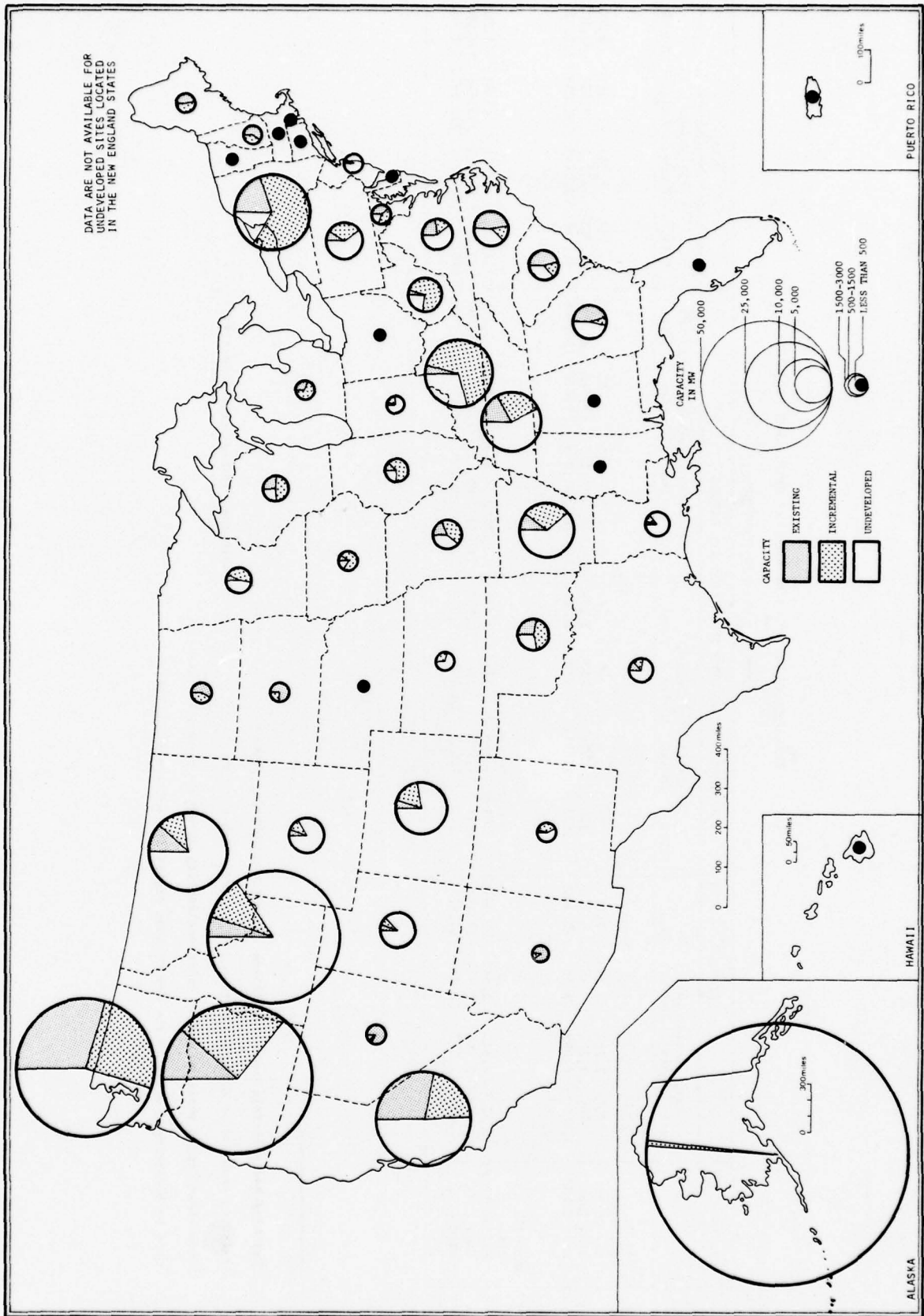


Figure 2: NATIONAL HYDROELECTRIC POWER RESOURCES. (ALL SITES)

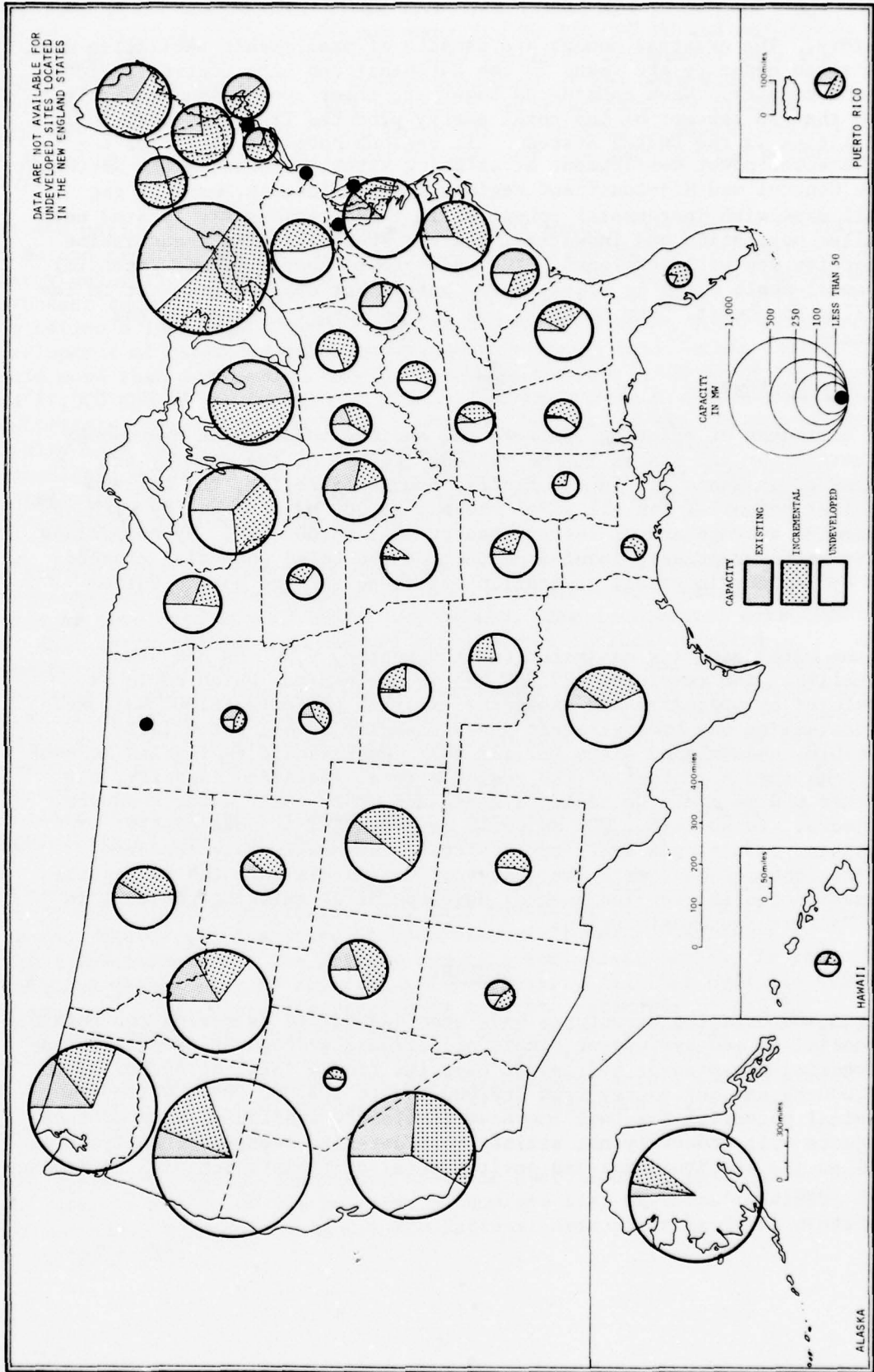


Figure 3: NATIONAL HYDROELECTRIC POWER RESOURCES. (SMALL-SCALE SITES)

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 undoubtedly 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 aggregate 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 further 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	Incr	Undev	Total	Exist	Incr	Undev	Total	Exist	Incr	Undev	Total	Exist	Incr	Undev	Total
Alaska	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	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	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	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	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. 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	Incr	Total	Exist	Incr	Total	Exist	Incr	Total	Exist	Incr	Total	Exist	Incr	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)		Exist		Undev		Total		(All Sizes)	
	Exist	Incr	Exist	Incr	Exist	Incr	Exist	Incr	Exist	Incr	Exist	Incr	Exist	Incr
Oklahoma	0	98	170	4	0	4	2	2	6	11	13	12	11	115
No. of Sites			268											310
Cap. (MW)	0	49	178	87	0	87	44	131	131	1,029	1,494	797	1,029	1,630
Ener (GWH)	0	86	346	133	0	133	77	210	210	2,350	1,991	1,270	2,350	2,210
S. Dakota	8	23	4	0	0	0	0	0	0	4	3	1	12	26
No. of Sites			35											43
Cap. (MW)	17	22	12	0	0	0	0	0	0	1,483	397	25	1,500	420
Ener (GWH)	69	65	167	0	0	0	0	0	0	6,056	832	38	6,125	898
Texas	9	196	129	2	2	1	8	11	11	5	4	22	16	201
No. of Sites			334											376
Cap. (MW)	52	165	288	45	45	22	167	234	234	225	185	1,420	321	372
Ener (GWH)	212	372	854	149	149	7	457	613	613	542	240	3,149	903	619
Wyoming	8	53	18	3	3	3	20	26	26	4	9	30	15	65
No. of Sites			79											148
Cap. (MW)	19	71	82	56	56	63	410	529	529	152	352	3,054	227	487
Ener (GWH)	114	178	259	280	280	92	871	1,243	1,243	606	587	6,372	1,000	858
Region Total	54	779	666	11	15	15	63	89	89	44	59	234	109	853
No. of Sites			1,499											963
Cap. (MW)	184	850	1,182	218	317	317	1,311	1,846	1,846	6,087	6,589	27,376	6,488	7,758
Ener (GWH)	1,372	2,138	3,074	1,006	524	524	3,142	4,672	4,672	22,403	12,481	64,274	24,781	15,144
			6,584											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	Incr	Undev	Exist	Incr	Undev	Exist	Incr	Undev	Exist	Incr	Undev	Exist	Incr	Undev	Total		
Illinois	No. of Sites	16	39	230	285	0	8	0	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	0	3	3	4	32	48	84
	Cap. (MW)	28	58	61	147	0	37	0	37	0	0	0	383	28	96	444	568	
	Ener (GWH)	98	189	162	449	0	90	0	90	0	0	0	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	Total	Exist	Incre	Total	Exist	Incre	Total	Exist	Incre	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	62,337	9,854	44,766	21,004	75,624						

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	Incr	Total	Exist	Incr	Total	Exist	Incr	Total	Exist	Incr	Total			
North Carolina	53	117	28	198	5	12	22	18	9	22	49	76	131	62	259
No. of Sites	72	162	160	394	103	86	259	1,762	405	1,134	3,301	1,937	653	1,553	4,143
Cap. (MW)	248	429	546	1,223	396	244	1,384	5,958	760	3,387	10,105	6,602	1,433	4,677	12,712
Ener (GWH)															
Puerto Rico	5	10	6	21	2	3	5	0	0	0	0	7	13	6	26
No. of Sites	28	37	13	78	36	55	91	0	0	0	0	64	92	13	169
Cap. (MW)	64	48	63	175	54	78	132	0	0	0	0	118	126	63	307
Ener (GWH)															
South Carolina	29	49	5	83	4	3	11	10	13	13	36	43	65	22	130
No. of Sites	88	61	34	183	76	54	210	1,368	513	1,061	2,942	1,532	628	1,175	3,335
Cap. (MW)	390	354	130	874	233	145	658	2,117	1,201	3,093	6,411	2,740	1,700	3,503	7,943
Ener (GWH)															
Tennessee	1	31	9	41	2	4	8	24	14	23	61	27	49	34	110
No. of Sites	11	47	70	128	39	80	164	2,046	3,142	7,149	12,337	2,096	3,269	7,264	12,629
Cap. (MW)	33	57	207	297	111	56	312	11,064	5,113	25,004	41,181	11,208	5,226	25,356	41,790
Ener (GWH)															
Virginia	14	71	83	168	0	7	16	4	7	23	34	18	85	115	218
No. of Sites	53	94	348	495	0	137	310	633	266	1,256	2,155	686	497	1,777	2,960
Cap. (MW)	129	318	1,094	1,541	0	349	768	532	701	3,037	4,270	661	1,368	4,550	6,579
Ener (GWH)															
Region Total	110	566	265	941	19	29	102	98	87	146	331	227	682	465	1,374
No. of Sites	285	704	1,077	2,066	360	559	1,114	11,182	11,758	20,969	43,909	11,827	13,021	23,160	48,008
Cap. (MW)	1,000	2,189	3,349	6,538	1,105	1,185	5,153	36,409	21,466	67,460	125,335	38,514	24,840	73,672	137,026
Ener (GWH)															

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	Incr	Undev	Total	Exist	Incr	Undev	Total	Exist	Incr	Undev	Total	Exist	Incr	Undev	Total					
Connecticut*	No. of Sites	13	205	NA	218	0	0	0	0	0	0	0	2	0	0	2	15	205	NA	220	
	Cap. (MW)	36	88	NA	124	0	0	0	0	0	0	0	68	0	0	68	103	88	NA	191	
	Ener (GWH)	156	308	NA	464	0	0	0	0	0	0	0	216	0	0	216	372	308	NA	680	
Delaware	No. of Sites	0	0	2	2	0	0	0	0	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	0	0	0	0	2	2
	Ener (GWH)	0	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
Maine*	No. of Sites	33	469	NA	502	3	1	NA	4	4	4	4	2	2	NA	4	38	472	NA	510	
	Cap. (MW)	147	284	NA	431	58	20	NA	78	78	78	148	64	NA	212	354	369	NA	723		
	Ener (GWH)	881	992	NA	1,873	388	67	NA	455	455	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	1	1	4	4	2	7	3	20	9	32	
	Cap. (MW)	2	18	20	40	0	19	0	19	19	19	474	496	232	1,202	476	532	252	1,260		
	Ener (GWH)	14	50	58	122	0	41	0	41	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	2	2	4	0	NA	4	29	301	NA	330		
	Cap. (MW)	73	115	NA	188	33	0	NA	33	33	131	0	NA	131	237	115	NA	352			
	Ener (GWH)	313	403	NA	716	176	0	NA	176	176	154	0	NA	154	643	403	NA	1,045			
New Hampshire*	No. of Sites	24	541	NA	565	2	1	NA	3	3	3	2	0	NA	2	28	542	NA	570		
	Cap. (MW)	74	238	NA	312	31	23	NA	54	54	281	0	NA	281	386	261	NA	647			
	Ener (GWH)	359	836	NA	1,195	180	82	NA	262	262	558	0	NA	558	1,097	918	NA	2,015			
New Jersey	No. of Sites	2	36	0	38	0	1	0	1	1	0	0	0	5	5	2	37	5	44		
	Cap. (MW)	6	21	0	27	0	23	0	23	23	0	0	0	647	647	6	40	647	693		
	Ener (GWH)	18	58	0	76	0	56	0	56	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	Undev	Total	
	Exist	Incre	Total	Exist	Incre	Total	Exist	Incre	Total	Exist	Incre	Undev				
New York	123	251	43	417	11	15	11	37	9	40	11	60	143	306	65	514
No. of Sites	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
Cap. (MW)	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
Ener (GWH)																
Pennsylvania	0	138	58	196	0	6	4	10	4	19	26	49	4	163	88	255
No. of Sites	0	158	189	347	0	107	79	186	403	1,466	2,977	4,846	403	1,731	3,245	5,379
Cap. (MW)	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
Ener (GWH)																
Rhode Island*	2	105	NA	107	0	0	NA	0	0	0	NA	0	2	105	NA	107
No. of Sites	2	40	NA	42	0	0	NA	0	0	0	NA	0	2	40	NA	42
Cap. (MW)	6	139	NA	145	0	0	NA	0	0	0	NA	0	6	139	NA	145
Ener (GWH)																
Vermont*	44	155	NA	199	1	0	NA	1	2	0	NA	2	47	155	NA	202
No. of Sites	106	134	NA	240	16	0	NA	16	74	0	NA	74	197	134	NA	331
Cap. (MW)	436	472	NA	908	70	0	NA	70	317	0	NA	317	822	472	NA	1,294
Ener (GWH)																
W. Virginia	4	15	33	52	0	1	5	6	1	20	14	35	5	36	52	93
No. of Sites	46	18	132	196	0	23	95	118	102	2,929	958	3,989	148	2,969	1,184	4,301
Cap. (MW)	282	49	361	692	0	59	205	264	543	7,177	2,059	9,779	825	7,285	2,624	10,734
Ener (GWH)																
Region Total	270	2,231	143	2,644	19	26	20	65	27	85	58	170	316	2,342	221	2,879
No. of Sites	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
Cap. (MW)	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	153,825
Ener (GWH)																

¹Existing hydroelectric power facilities currently generating power.

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

³Undeveloped 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

Table with columns for site categories (e.g., 0-19, 20-49, 50-99, >100), potential ranges (15 MW, 25 MW, >25 MW), and various capacity/energy metrics. Includes a legend at the bottom right.

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)
COLUMN 5 = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)
COLUMN 6 = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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 A R I Z O N A

PROJECT NAME	IDENT NUMBER	NAME OF STREAM OR RIVER	PROJ PURP (1)	OWNER	LATITUDE (DM.M)	LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	NET POWER OF DAM (MW)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE CAPACITY (1000 AC FT)	ENERGY CAPACITY (MWH)
***** COUNTY NAME: APACHE *****												
INDIAN HILL	AZU1029	LITTLE COLORADO	0	ARIZ GAME	34 31.8	109 21.0	960.0	27.0	31.0	42.0	4.0	0.0
	SPL0001			FISH							.27	.4
LYMAN LAKE	AZ00004	LITTLE COLORADO	0	LYMAN WATER COMPANY	34 21.9	109 23.0	790.0	22.0	59.0	60.0	30.0	0.0
	SPL0002										.42	.6
RESERVATION (LAK)	AZ10425	RESERVATION CREEK	0	WHITE MTN APACHE TRIBE	33 50.4	109 30.0	7.0	4.0	35.0	47.0	6.0	0.0
	SPL0003										.05	.1
SUNRISE LAKE	AZ10472	WHITE RIVER	0	WHITE MTN APACHE TRIBE	34 .6	109 33.8	6.0	4.0	33.0	45.0	15.0	0.0
	SPL0004										.08	.1
***** COUNTY NAME: COCHISE *****												
***** FERC POWER SUPPLY AREA 48 *****												
BABOCONARI	AZU1017	RAHOCUMARI	0	ARIZ GAME	31 41.8	110 12.0	283.0	11.0	74.0	100.0	13.0	0.0
	SPL0005			FISH							.16	.4
EMERALD	AZU1018	SAN FEUO	0	ARIZ GAME	31 42.0	110 6.0	31.0	9.0	41.0	56.0	2.0	0.0
	SPL0006			FISH							.14	.2
***** COUNTY NAME: COCONINO *****												
***** FERC POWER SUPPLY AREA 48 *****												
JACKS CANYON	AZU0005	JACKS CANYON	0	ARIZ GAME	34 42.0	111 6.0	99.0	23.0	96.0	130.0	3.0	0.0
	SPL0007			FISH							.51	.7
CHEVELON	AZU0006	CHEVELON	0	ARIZ GAME	34 30.3	110 49.7	86.0	21.0	129.0	175.0	35.0	0.0
	SPL0008			FISH							.58	.8
BEAVER CANYON	AZU1027	BEAVER	0	ARIZ GAME	34 24.5	111 0.0	4.0	2.0	81.0	110.0	6.0	0.0
	SPL0009			FISH							.06	.1
PINE FLAT	AZU1030	BEAR CANYON	0	ARIZ GAME	35 0.0	112 13.6	30.0	9.0	52.0	70.0	26.0	0.0
	SPL0010			FISH							.19	.2

L E G E N D

(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, R=HYDROELECTRIC, C=FLOW CONTROL, N=NAVIGATION, S=WATER SUPPLY, R=RECREATION,
D=DEBRIS CONTROL, P=PARK POND, G=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

PROJECT NAME	IDENT	STREAM	PRCJ	LATITUDE	DRAINAGE	AVERAGE	NET	HEIGHT	MAXIMUM	STORAGE	CAPACITY	ENERGY
	NUMBER	NAME	PURP	(DM,N)	AREA	ANNUAL	POWER	OF		(1000	(MWH)	(GWH)
	(1)		(2)	(S)	(SQ MI)	(CFS)	(FT)	(FT)	AC FT	(3)	(3)	(3)
COUNTY NAME: COCONINO												
LOWER LAKE MARY	AZ00015	MALNUT CREEK	SR	35 6.7	119.0	27	38	45	9	0	0	0
	SPL0011		STAFF	111 35.0							.17	.4
BLUE RIDGE RESERVOIR	AZ00021	EAST CLEAK CREEK	OR	34 33.3	71.0	11	130	167	20	0	2.40	9.8
	SPL0012		CORPORATION	111 11.0							0	0
CHEVELON CANYON LAKE	AZ00046	CHEVELON CREEK	K	34 30.7	88.0	21	80	108	10	0	0	0
	SPL0013		FISH DEPT.	110 49.4							.75	.7
WILLOW SPRINGS LAKE	AZ00088	WILLOW SPRINGS	R	34 19.4	5.0	1	62	80	5	0	0	0
	SPL0014		FISH	110 52.6							.06	.1
(LAKE POWELL) EN CANYON	AZ10307	COLORADO RIVER	MCSRU/DUI	36 56.2	111700.0	17850	480	579	28820	0	950.00	4000.0
	SPL0015			111 29.0							0	0
COUNTY NAME: GILA												
HOUSTON	AZ10113	HOUSTON CR	OR	34 12.8	34.0	5	111	150	6	0	0	0
	SPL0016		FISH	111 14.8							.10	.2
SPRING CREEK	AZ10114	SPRING CREEK	OR	34 7.3	150.0	35	111	150	36	0	0	0
	SPL0017		FISH	111 6.0							1.67	1.7
MINERAL CREEK CH DAM	AZ00006	MINERAL CREEK	C	33 13.2	92.0	28	133	162	11	0	0	0
	SPL0018		KENNECOTT CU	110 59.6							1.32	1.8
BARTLETT RESERVOIR	AZ10306	VERDE RIVER	IR	33 49.1	6185.0	500	160	194	195	0	0	0
	SPL0019		DUI USBM	111 37.9							11.99	35.7
THEODORE ROOSEVELT LAKE	AZ10317	SALT RIVER	OR	33 40.0	5760.0	850	199	244	1555	0	36.02	96.1
	SPL0020		DUI USBM	111 10.0							34.07	36.1

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 PURPOSES: IRRIGATION, HYDROELECTRIC, CWFLOOD CONTROL, NAVIGATION, SWATER SUPPLY, RECREATION, DEBRIS CONTROL, FARM POND, OTHER
- (3) - ESTABLISHED CAPACITY AND ENERGY
- (3) - UNINSTALLED CAPACITY AND ENERGY

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF ARIZONA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ NUMBER (2)	OWNER	LATITUDE (DM,N)	LONGITUDE (DM,W)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL FLOW (CFS)	NET HEAD (FT)	STORAGE CAPACITY (1000 GWH)	MAXIMUM ENERGY CAPACITY (3)	
COUNTY NAME: GRANAH							FERC POWER SUPPLY AREA 48		FERC REGIONAL OFFICE CODE		SP	
RATTLESNAKE	AZU1015	RATTLESNAKE	0	ARIZ GAME	32 42.6	110 18.0	40.0	12.0	103.0	140.0	0.0	0.0
	SPL0021			FISH							.46	0.0
STOCKTON WASH RE	AZ00007	STOCKTON WASH	0	COAHAMA COUNT	32 47.8	109 39.1	153.0	100.0	29.0	38.0	9.0	0.0
TARDING DAM	SPL0022			NY							.32	0.0
COUNTY NAME: GREENLEE							FERC POWER SUPPLY AREA 48		FERC REGIONAL OFFICE CODE			SP
BLUE	AZU1016	BLUE RIVER	0	ARIZ GAME	33 42.0	109 6.0	300.0	8.0	74.0	100.0	6.0	0.0
	SPL0023			FISH							.20	0.0
COUNTY NAME: MARICOPA							FERC POWER SUPPLY AREA 48		FERC REGIONAL OFFICE CODE			SP
(LAKE PLEASANT)	AZ00001	AGUA FRIA RIVER	1R	NCMCO '1	33 51.2	112 16.1	1459.0	80.0	130.0	171.0	185.0	0.0
WADDELL	SPL0024										1.35	0.0
CAVE CREEK DAM	AZ00002	CAVE CREEK	0	SKYLA	33 43.5	112 2.8	161.0	5.0	41.0	53.0	14.0	0.0
	SPL0025										.08	0.0
GILLESPIE RESERV	AZ00106	GILA RIVER	1I	PAINTED MCK	33 13.8	112 46.1	49650.0	180.0	16.0	21.0	260.0	0.0
DIR	SPL0026			DEV. CO.							.41	0.0
(CAPACHE LAKE)	AZ10311	SALT RIVER	1HR	DOI USBH	33 36.0	111 21.0	5870.0	850.0	254.0	272.0	261.0	34.16
RSE MESA	SPL0027										5.60	0.0
(CANYON LAKE)	AZ10313	SALT RIVER	1HSR	DOI USBH	33 33.0	111 26.0	6030.0	800.0	121.0	142.0	50.0	9.20
RMON FLAT	SPL0028										.0	0.0
(SAHUARO LAKE)	AZ10318	SALT RIVER	1HMR	DOI USBH	33 34.0	111 32.0	6211.0	1000.0	97.0	115.0	71.0	10.40
TEWART MOUNTAIN	SPL0029										.0	0.0

LEGEND

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- (2) - PROJECT PURPOSE: I=IRRIGATION, H=HYDROELECTRIC, C=CELFLOOD CONTROL, N=NAVIGATION, S=SEWER SUPPLY, R=RECREATION, D=DEBRIS CONTROL, P=PAVING, PC=PCO, G=OTHER
- (3) - E=INSTALLED CAPACITY AND ENERGY, N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (3) - U=UNINSTALLED CAPACITY AND ENERGY, T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
P U 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 A R I Z O N A

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ NUMBER (2)	OWNER	LATITUDE (DM, S)	LONGITUDE (W, M)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 GWH)	ENERGY CAPACITY (3)	
CANNON GAP	AZU1022	PULL RUSH	SPL0030	ARIZ GAME	36 43.0	112 48.4	60.0	21.0	90.0	120.0	7.0	0.0
TROUT CREEK	AZU1023	TROUT CREEK	SPL0031	ARIZ GAME	35 0.0	113 20.2	607.0	14.0	277.0	375.0	28.0	0.0
BURRO CREEK	AZU1024	BURRO CREEK	SPL0032	ARIZ GAME	34 53.5	113 29.9	638.0	14.0	52.0	70.0	12.0	0.0
(LAKE MOJAVE) VIS	AZU1030	CALCRAUD RIVER	SPL5000	USDR	35 11.0	114 34.1	17330.0	0.0	114.0	134.0	1010.0	234.0
COUNTY NAME: NAVAJO												
DIPPING VAT	AZU1028	SILVER CREEK	SPL0033	ARIZ GAME	34 24.0	110 0.0	140.0	93.0	50.0	68.0	4.0	0.0
LONE PINE	AZU0012	SHOW LOW CREEK	SPL0034	SHOW LOW SILVER CREEK	34 21.1	110 5.4	152.0	25.0	76.0	97.0	14.0	0.0
(WHITE MOUNTAIN LAKE) DAGGS	AZU0013	SILVER CREEK	SPL0035	SHOW FLAKE	34 21.9	110 0.0	170.0	19.0	50.0	59.0	5.0	0.0
(SHOW LOW LAKE) JAQUES DAM	AZU0023	SHOW LOW CREEK	SPL0036	PHELPS DODGE CORP	34 11.7	110 2.0	73.0	12.0	60.0	75.0	8.0	0.0
BLACK CANYON LAKE	AZU0002	EAST FORK OF BLACK CANYON CRK	SPL0037	ARIZ GAME	34 19.8	110 42.0	6.0	3.0	51.0	68.0	2.0	0.0
FOOL HOLLOW LAKE	AZU0051	SHOW LOW CREEK	SPL0038	ARIZ GAME	34 16.9	110 3.3	36.0	24.0	64.0	87.0	4.0	0.0

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

L E G E N D

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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 A R I Z O N A

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ NUMBER (2)	PURP (2)	OWNER	LATITUDE (DM.M)	LONGITUDE (DM.M)	AREA (SQ MI)	ANNUAL INFLUM (CFS)	NET HEAD (FT)	NET HEIGHT (FT)	STORAGE CAPACITY (MM)	ENERGY (GWH) (3)
***** COUNTY NAME: PIMA *****													
***** FERC POWER SUPPLY AREA 40 *****													
BUSHMAN CANYON	AZU0008	BUSHMAN	0	ARIZ GAME		32 24.2	110 32.5	39.0	12.0	107.0	145.0	25.0	0.0
	SPL0039			FISH								.47	.6
TANQUE VERDE	AZU1000	TANQUE VERDE	0	ARIZ GAME		32 15.4	110 39.2	39.0	12.0	207.0	280.0	35.0	0.0
	SPL0040			FISH								.90	1.2
TANQUE VERDE	AZU1001	TANQUE VERDE	0	ARIZ GAME		32 15.0	110 36.0	26.0	8.0	103.0	140.0	20.0	0.0
	SPL0041			FISH								.30	.4
CIENAGA	AZU1002	CIENAGA CR	0	ARIZ GAME		31 6.0	110 33.5	215.0	9.0	100.0	135.0	19.0	0.0
	SPL0042			FISH								.16	.4
SABINO	AZU1045	SABINO	0	ARIZ GAME		32 21.4	110 46.5	31.0	9.0	185.0	250.0	10.0	0.0
	SPL0043			FISH								.60	.8
***** COUNTY NAME: PINAL *****													
***** FERC POWER SUPPLY AREA 40 *****													
JERKY SPRING	AZU1042	JERKY SPRING	0	ARIZ GAME		33 26.4	111 5.8	12.0	4.0	116.0	160.0	8.0	0.0
	SPL0044			FISH								.16	.2
TORTOLITA	AZU1044	TORTOLITA	0	ARIZ GAME		32 42.0	111 6.0	50.0	15.0	52.0	70.0	5.0	0.0
	SPL0045			FISH								.20	.4
(LAGO DEL ORD) OLDER	AZ00003	CANADA DEL ORD	RU	MAIL N RANCH CORPORATION		32 32.9	110 51.0	48.0	15.0	101.0	127.0	11.0	0.0
	SPL0046											.54	.7
FLORENCE RETARDING DAM	AZ00027	TRIGILA RIVER	U	F.A.F.C.O.		33 5.4	111 17.5	70.0	21.0	20.0	26.0	6.0	0.0
	SPL0047											.13	.2
POWERLINE RETARDING DAM	AZ00092	HEEK'S WASH AND SIPHERN DRAW	C	MARICOPA COUNTY		33 21.9	111 32.9	50.0	15.0	28.0	35.0	5.0	0.0
	SPL0048											.16	.2
MAGMA DAM	AZ00083	MAGMA WASH	C	MAGMA FLOOD CONTROL DIST.		33 9.5	111 25.2	62.0	19.0	18.0	24.0	8.0	0.0
	SPL0049											.10	.1

L E G E N D

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

P R E L I M I N A R Y E S T I M A T E S
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 A R I Z O N A

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ. PURP. (2)	OWNER	LATITUDE (DM,M)	LONGITUDE (SD MI)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL FLOW (CFS)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 AC FT)	ENERGY (6HP) (3)
COUNTY NAME: PINAL											
(SAN CARLOS RESERVOIR) COOLIDGE	AZ10436	GILA	IH	DIA	33 12.0	12886.0	269	152	194	1201	10.00E 6.6
	SPL0050				110 31.0						0. 0. 0.
COUNTY NAME: SANTA CRUZ											
JOSEPHINE	AZ1005	JOSEPHINE	0	ARIZ GAME	31 54.5	29.0	9	100	135	12	0. 0. 0.
	SPL0051			FISH	110 57.9						.32E 0. 0.
TEMPORAL	AZ1007	TEMPORAL	0	ARIZ GAME	31 35.2	20.0	6	103	140	27	0. 0. 0.
	SPL0052			FISH	110 48.0						.23E 0. 0.
RED ROCK A	AZ1008	RED ROCK	0	ARIZ GAME	31 33.3	29.0	9	111	150	24	0. 0. 0.
	SPL0053			FISH	110 42.5						.36E 0. 0.
RED ROCK C	AZ1009	RED ROCK	0	ARIZ GAME	31 32.6	21.0	6	74	100	5	0. 0. 0.
	SPL0054			FISH	110 41.2						.17E 0. 0.
MARSHAW	AZ1012	MARSHAW	0	ARIZ GAME	31 44.3	18.0	6	67	90	6	0. 0. 0.
	SPL0055			FISH	110 41.5						.13E 0. 0.
LAKE PATAGONIA	AZ00029	SONOITA CREEK	R	L.P.R.A.I.	31 29.6	230.0	8	72	98	11	0. 0. 0.
	SPL0056				110 52.1						.13E 0. 0.
COUNTY NAME: YAVAPAI											
COPPER CREEK	AZ1025	COPPER CREEK	0	ARIZ GAME	34 24.0	17.0	5	74	100	7	0. 0. 0.
	SPL0057			FISH	112 40.6						.15E 0. 0.
DATE CREEK	AZ1026	DATE CREEK	0	ARIZ GAME	34 14.4	91.0	20	81	110	10	0. 0. 0.
	SPL0058			FISH	112 14.2						.29E 0. 0.
APACHE CREEK	AZ1031	APACHE CREEK	0	ARIZ GAME	34 54.5	9.0	3	89	120	11	0. 0. 0.
	SPL0059			FISH	112 52.6						.10E 0. 0.

L E G E N D

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- (2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION, DEBRIS CONTROL, FARM POND, OTHER
- (3) - ESTABLISHED CAPACITY AND ENERGY: NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (3) - UNINSTALLED CAPACITY AND ENERGY: TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF ARIZONA

PROJECT NAME	AGENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ NUMBER (2)	PURP (2)	OWNER	LATITUDE (DN.M)	LONGITUDE (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEAD (FT)	DAM TYPE (FT)	STORAGE CAPACITY (MM)	MAXIMUM ENERGY (GWH)
COUNTY NAME: YAVAPAI												
RATTLESNAKE	AZU1032	RATTLESNAKE CR	0	ARIZ GAME	34 46.2	13.0	4.0	67.0	90.0	9.0	0.0	0.0
	SPL0060			FISH	111 35.8						.10	.1
BLACK ROCK	AZU1034	CASH CREEK	0	ARIZ GAME	34 34.5	15.0	4.0	59.0	80.0	3.0	0.0	0.0
	SPL0061			FISH	112 6.0						.11	.1
SYCAMORE	AZU1035	SYCAMORE	0	ARIZ GAME	34 27.0	26.0	8.0	155.0	180.0	15.0	0.0	0.0
	SPL0062			FISH	111 44.0						.42	.4
BOX CANYON	AZU1037	HASSAYAMPA	0	ARIZ GAME	34 6.0	410.0	13.0	70.0	95.0	19.0	0.0	0.0
	SPL0063			FISH	112 42.0						.26	.3
WALNUT GROVE	AZU1038	HASSAYAMPA	0	ARIZ GAME	34 11.2	225.0	7.0	44.0	60.0	6.0	0.0	0.0
	SPL0064			FISH	112 30.0						.09	.1
ALGONQUIN	AZU1040	POLAND CR	0	ARIZ GAME	34 12.6	11.0	3.0	74.0	100.0	6.0	0.0	0.0
	SPL0065			FISH	112 18.0						.10	.1
TURKEY CREEK	AZU1041	TURKEY CREEK	0	ARIZ GAME	34 12.0	156.0	31.0	111.0	150.0	33.0	0.0	0.0
	SPL0066			FISH	112 12.4						.57	1.4
WILLOW CREEK (RESERVOIR) DAM	AZU00019	WILLOW CREEK	IR	CHING VALLEY IRR. DIST.	34 36.1	23.0	7.0	57.0	70.0	8.0	0.0	0.0
	SPL0067			FISH	112 26.7						.16	.2
GRANITE CREEK DAM	AZU00020	GRANITE CREEK	IR	CHING VALLEY IRR. DIST.	34 35.7	34.0	6.0	68.0	82.0	5.0	0.0	0.0
	SPL0068			FISH	112 25.0						.07	.1
LYNX LAKE	AZU00049	LYNX CREEK	IR	ARIZ. GAME	34 31.3	21.0	1.084	74.0	67.0	1.0	0.0	0.0
	SPL0069			FISH DEPT.	112 23.2						.19	.2
MORSESHOE RESERVOIR DAM	AZU10310	VERDE RIVER	IR	DOI USBR	33 58.9	5991.0	500.0	123.0	151.0	155.0	0.0	0.0
	SPL0070			FISH	111 42.7						8.17	26.1

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 PURPOSES: I=IRRIGATION, H=HYDROELECTRIC, C=FLOW CONTROL, N=NAVIGATION, S=WATER SUPPLY, R=RECREATION, D=DEBRIS CONTROL, P=PAVING FUND, O=OTHER
(3) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
(3) - U=INSTALLED CAPACITY AND ENERGY I=POTENTIAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
P U 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 A R I Z O N A

PROJECT NAME	IDENT NUMBER	NAME OF STREAM OR RIVER	PROJ NUMBER (1)	PURP (2)	USBR	DOI BIA	MP0	DOI	USBR	AVG ANNUAL INFLOW (CFS)	NET HEIGHT (FT)	MAXIMUM STORAGE (1000 ACR)	ENERGY CAPACITY (GWH)
(LAKE HAVASU)	PAZ10312	COLORADO RIVER								15844.0	68.0	620.0	120.00
ARKER	SPL0071												
HEADGATE ROCK	AZ10437	COLORADO RIVER								15515.0	20.0	23.0	43.05
	SPL0072												

L E G E N D

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- (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)

STATE OF CALIFORNIA

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

POTENTIAL INCREMENTAL CAPACITY RANGES															
				15 MM - 25 MM										TOTAL	
HEAD	NUMBER	CAPACITY	ENERGY	EXISTING	UNDEVELOPED	TOTAL	EXISTING	UNDEVELOPED	TOTAL	EXISTING	UNDEVELOPED	TOTAL	EXISTING	UNDEVELOPED	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
0-19	0*	21*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
20-49	4*	52*	22*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
50-99	7*	64*	57*	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
>100	59*	79*	106*	11*	20*	31*	31*	59*	35*	90*	125*	107*	125*	216*	341*
TOTAL	70*	196*	250*	12*	20*	32*	32*	61*	38*	90*	126*	120*	126*	295*	561*

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)
 COLUMN 5 = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)
 COLUMN 6 = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

P R E L I M I N A R Y E S T I M A T E S
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 NUMBER (2)	CANAL	LONGITUDE (DM,N)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER OF DAM (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 GWH)	ENERGY CAPACITY (3)
COUNTY NAME: ALABAMA											
BETHANY FOREBAY	CA00033	ITALIAN SLOU-I S	SPK0001	GH	37 47.0	4.0	4.0	77.0	90.0	6.0	0.0
DEL VALLE	CA00003	ARROYO VALLE	SPK0001	GH	121 37.1	149.0	29.0	165.0	194.0	77.0	0.0
CALAVERAS RESERVOIR	CA00126	CALAVERAS CREEK	SPK0001	GH	121 44.7	100.0	24.0	151.0	178.0	100.0	0.0
SAN ANTONIO RESERVOIR	CA00132	SAN ANTONIO CR	SPK0003	GH	37 34.4	40.0	20.0	149.0	175.0	51.0	0.0
UPPER SAN LEONARD RESERVOIR	CA00165	SAN LEONARD CREEK	SPK0004	GH	121 50.9	31.0	16.0	99.0	117.0	13.0	0.0
LAKE CHAROT	CA00167	SAN LEONARD CREEK	SPK0005	GH	122 7.3	6.5	3.0	149.0	175.0	41.0	0.0
COUNTY NAME: ALPINE											
HOPE VALLEY RESERVOIR	CA00149	WEST FORK CARSON RIVER	SPK0002	GH	36 46.3	38.0	102.0	130.0	176.0	100.0	0.0
PAYNESVILLE RESERVOIR	CA00240	WEST FORK CARSON RIVER	SPK0003	GH	119 53.8	66.0	102.0	952.0	0.0	95.0	0.0
SILVER KING RESERVOIR	CA00274	EAST CARSON RIVER	SPK0004	GH	119 46.0	45.0	126.0	55.0	75.0	8.0	0.0
STEVENOT RESERVOIR	CA00289	NORTH FORK MUKEL RIVER	SPK0005	GH	36 34.1	58.0	51.0	1040.0	0.0	25.0	0.0
WOODFORDS RESERVOIR	CA00324	WEST FORK CARSON RIVER	SPK0006	GH	120 1.0	57.0	88.0	1100.0	0.0	95.0	0.0

L E G E N D

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- (2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION, DEBRIS CONTROL, FISH POND, DROTHER
- (3) - ESTIMATED CAPACITY AND ENERGY: NENEN INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS); UNINSTALLED CAPACITY AND ENERGY: TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	STREAM	CR	RIVER	PROJ#	PURP	OWNER	LATITUDE	LONGITUDE	DRAINAGE	AREA	INFLW	HEAD	DAM	STORAGE	CAPACITY	ENERGY
	(1)				(2)			(DM,N)	(S,M,H)	(SQ MI)	(CFS)	(FT)	(FT)	(AC FT)	(M)	(3)	(3)
COUNTY NAME	AGENCY									FERC POWER SUPPLY AREA 46							FERC REGIONAL OFFICE CODE SF
CAPLES LAKE	CA00373	TRI SILVER FORK			H		PACIFIC GAS	38 42.4		19.0		37.0	54.0	64.0	22.0	0.0	0.0
	SPK0007						ELECT CO	120 2.9								.60	1.4
LOWER BLUE LAKE	CA00380	BLUE CREEK			H		PACIFIC GAS	38 36.6		5.0		13.0	32.0	38.0	4.0	0.0	0.0
	SPK0008						ELECT CO	119 55.5								.13	.3
MEADOW LAKE	CA00361	TRIKOKELUMNE RIVER			H		PACIFIC GAS	38 36.0		2.0		5.0	64.0	64.0	6.0	0.0	0.0
	SPK0009	VER					ELECT CO	119 58.5								.12	.2
UPPER BLUE LAKE	CA00395	BLUE CREEK			H		PACIFIC GAS	38 37.7		3.0		8.0	23.0	27.0	8.0	0.0	0.0
	SPK0010						ELECT CO	119 56.4								.05	.1
LAKE ALPINE	CA00422	SILVER CREEK			H	I	PACIFIC GAS	38 28.3		5.0		30.0	38.0	45.0	5.0	0.0	0.0
	SPK0011						ELECT CO	120 .2								.15	.4
UNION RESERVOIR	CA00426	N FK STANISLAUS			H	I	PACIFIC GAS	38 25.8		28.0		80.0	26.0	33.0	2.0	0.0	0.0
	SPK0012	RIVER					ELECT CO	119 59.8								.90	1.5
UTICA RESERVOIR	CA00427	N FK STANISLAUS			H	I	PACIFIC GAS	38 26.4		28.0		80.0	44.0	52.0	2.0	0.0	0.0
	SPK0013	RIVER					ELECT CO	120 .2								1.29	2.2
INDIAN CRK.	CA00894	INDIAN CR			H	I	RESUITH TANDE	38 45.1		3.0		8.0	54.0	63.0	3.0	0.0	0.0
	SPK0014						SPUD	119 46.5								.13	.3
IRISH HILL RESERVOIR	CA00160	DRY CREEK			H	I		38 24.0		77.0		40.0	137.0	185.0	100.0	0.0	0.0
	SPK0015							120 57.5								3.07	6.0
MIDDLE BAR RESERVOIR	CA00205	OKELUMNE RIVER			H			38 17.0		551.0		965.0	115.0	0.0	47.0	0.0	0.0
	SPK0016							120 46.0								24.02	72.6
MASHVILLE RESERVOIR	CA00215	CONSUNNES RIVER			H	I		38 33.0		435.0		656.0	509.0	414.0	900.0	0.0	0.0
	SPK0017							120 52.0								74.12	131.2

L E G E N D

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O=OVERSIGHT CONTROL, P=PAVING, G=GEOTHERM
(3) - E=INSTALLED CAPACITY AND ENERGY, N=INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
(3) - U=UNDEVELOPED POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	IDEMT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE (DM,N)	LONGITUDE (DM,W)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEAD (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (MGH)	MAXIMUM ENERGY (3)
SUMMIT CITY RESERVOIR	CA00293	NORTH FORK MOKELUMNE RIVER			38 30.0	120 9.0	96.0	85.0	1640.0	0.0	35.0	0.0
	SPK0019	MOKELUMNE RIVER			38 30.0	120 9.0	96.0	85.0	1640.0	0.0	35.0	0.0
PARDEE RESERVOIR	CA00164	MOKELUMNE RIVER	S	EAST HAY M	38 15.4	120 51.0	570.0	984.0	327.0	337.0	210.0	15,000E
	SPK0019	MOKELUMNE RIVER		DIST	38 15.4	120 51.0	570.0	984.0	327.0	337.0	210.0	15,000E
SILVER LAKE	CA00377	SILVER FORK			38 40.1	120 7.3	15.0	35.0	9.0	11.0	12.0	0.0
	SPK0020	SILVER FORK			38 40.1	120 7.3	15.0	35.0	9.0	11.0	12.0	0.0
BEAR RIVER	CA00379	BEAR RIVER			38 33.5	120 12.9	28.0	55.0	65.0	76.0	7.0	0.0
	SPK0021	BEAR RIVER			38 33.5	120 12.9	28.0	55.0	65.0	76.0	7.0	0.0
SALT SPRINGS RESERVOIR	CA00362	MOKELUMNE RIVER			38 29.9	120 12.9	170.0	475.0	256.0	302.0	139.0	9,350E
	SPK0022	MOKELUMNE RIVER			38 29.9	120 12.9	170.0	475.0	256.0	302.0	139.0	9,350E
LAKE TAREAUD	CA00383	JACKSON CREEK			38 20.9	120 39.9	544.0	984.0	1260.0	117.0	1.0	69,100E
	SPK0023	JACKSON CREEK			38 20.9	120 39.9	544.0	984.0	1260.0	117.0	1.0	69,100E
TIGER CREEK FURNACE BAY	CA00401	MOKELUMNE RIVER			38 26.0	120 30.2	262.0	520.0	1214.0	85.0	4.0	51,000E
	SPK0024	MOKELUMNE RIVER			38 26.0	120 30.2	262.0	520.0	1214.0	85.0	4.0	51,000E
ELECTRA DIVERSION	CA00404	MOKELUMNE RIVER	I		38 25.2	120 32.9	360.0	475.0	20.0	26.0	0.0	0.0
	SPK0025	MOKELUMNE RIVER			38 25.2	120 32.9	360.0	475.0	20.0	26.0	0.0	0.0
LOWER BEAR RIVER	CA00409	REAR RIVER			38 32.3	120 15.3	32.0	55.0	2109.0	235.0	49.0	29,700E
	SPK0026	REAR RIVER			38 32.3	120 15.3	32.0	55.0	2109.0	235.0	49.0	29,700E
ARROYO SECO	CA00613	TR DRY CH	I	CHAS MCAND	38 21.3	120 59.9	2.0	5.0	54.0	63.0	2.0	0.0
	SPK0027	TR DRY CH		ESTATE	38 21.3	120 59.9	2.0	5.0	54.0	63.0	2.0	0.0
JACKSON CR	CA00867	JACKSON CR			38 18.2	120 53.5	58.0	50.0	141.0	175.0	26.0	0.0
	SPK0028	JACKSON CR			38 18.2	120 53.5	58.0	50.0	141.0	175.0	26.0	0.0
WEST POINT POWERHOUSE	CA00824	FORK MOKELUMNE RIVER			38 25.0	120 32.9	-0.0	0.0	312.0	-0.0	0.0	13,600E
	SPK0029	FORK MOKELUMNE RIVER			38 25.0	120 32.9	-0.0	0.0	312.0	-0.0	0.0	13,600E

L E G E N D

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- (2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION.
- (3) - DEPTH OF CAPACITY: DEPTH CONTROL, FARM POND, OTHER.
- (3) - INSTALLED CAPACITY AND ENERGY: INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (3) - UNINSTALLED CAPACITY AND ENERGY: POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	PROJECT NUMBER (1)	NAME OF STREAM OR RIVER	PUMP OWNER (2)	LATITUDE (DM.M)	LONGITUDE (SB MI)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEAD (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (MM)	MAXIMUM ENERGY (GWH)
COUNTY NAME: BUTTE											
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 9F											
BALD ROCK NO. 5	CAU0049	MID FORK FEATHER		39 58.0	1112.0	1484.	710.	175.	10.	0.	0.
	SPK0030	RIVER		121 16.0						310.448T	688.4
BUTTE CREEK HOUS	CAU0009	BUTTE CREEK		40 5.5	6.0	8.	74.	100.	10.	0.	0.
	SPK0031			121 57.0						0.	0.
CASTLE ROCK	CAU0077	BUTTE CREEK		39 46.5	72.0	146.	132.	178.	100.	0.	0.
	SPK0032			121 45.5						1.711T	6.6
COVERED BRIDGE	CAU0009	BUTTE CREEK		39 43.6	147.0	409.	183.	248.	200.	0.	0.
	SPK0033			121 42.5						19.098T	47.9
FORKS OF BUTTE	CAU0127	BUTTE CREEK		39 54.0	10.0	18.	207.	280.	57.	0.	0.
	SPK0034			121 53.0						1.458T	2.1
GRIZZLY GULCH	CAU0142	BUTTE CREEK		40 3.0	69.0	140.	133.	180.	12.	0.	0.
	SPK0035			121 53.0						1.698T	6.5
JONESVILLE	CAU0147	BUTTE CREEK	SR	40 6.0	69.0	100.	167.	167.	46.	0.	0.
	SPK0036			122 29.5						2.838T	11.6
QUARTZ HILL	CAU0250	FALL RIVER		39 36.0	10.0	18.	148.	200.	22.	0.	0.
	SPK0037			121 11.5						1.158T	1.5
SWAYNE	CAU0294	FRENCH CREEK		39 45.0	1164.0	1306.	1430.	380.	280.	0.	0.
	SPK0038			121 23.0						515.028T	1249.5
SYCAMORE	CAU0297	BIG CREEK		39 48.5	72.0	146.	273.	370.	150.	0.	0.
	SPK0039			121 44.0						13.358T	22.0
FEATHER RIVER	CAU0003	FEATHER RIVER	AM	CAL DEPT MAT 39 31.5	3624.0	5977.	26.	30.	1.	0.	0.
	SPK0040		ER RES	121 32.7						38.968N	87.5
DROVILLE DAM	CAU0035	FEATHER RIVER	IRSH	CAL DEPT MAT 39 32.1	3611.0	4800.	875.	634.	348.	0.	0.
	SPK0041		ER RES	121 28.9						88.408E	1938.0
										350.908N	982.0

L E G E N D

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- (3) - E=INSTALLED CAPACITY AND ENERGY N=INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (3) - U=UNINSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

P R E L I M I N A R Y E S T I M A T E S
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	AGENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ# (2)	UMNEM	LATITUDE (DM,M)	LONGITUDE (DM,M)	AREA (SQ MI)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	AVERAGE ANNUAL FLOW (CFS)	NET HEIGHT OF POWER (FT)	STORAGE CAPACITY (1000 GWH)	ENERGY (3)
THERMALITO DIVER	CA00036	FEATHER RIVER	MI	3640.0	39 53.1	121 32.6	3640.0	4800.0	4800.0	4800.0	100.0	13.0	0.0
SION DAM	SPK0042												4.000
THERMALITO FORERAY	CA00041	TRI CYNNO CK (FTH R)	MI	3610.0	39 51.6	121 36.0	3610.0	4955.0	4955.0	4955.0	61.0	11.0	115.000
AV	SPK0043	THR R UFSTRM)											32.700
THERMALITO AFTER BAY	CA00042	FEATHER RIVER (UPRM)	MI	3610.0	39 27.0	121 38.0	3610.0	4955.0	4955.0	4955.0	32.0	56.0	0.0
	SPK0044	FFSTREAM)											9.000
LOST CREEK	CA00288	LOST CREEK	MI	31.0	39 34.5	121 8.1	31.0	25.0	25.0	25.0	112.0	6.0	52.200
	SPK0045												297.1
SLY CREEK	CA00272	LOST CREEK	MI	24.0	39 34.9	121 6.9	24.0	25.0	25.0	25.0	250.0	65.0	0.0
	SPK0046												2.950
FORBESTOWN DIVER	CA00273	FK FEATHER RIVER	MI	88.0	39 33.1	121 12.5	88.0	233.0	233.0	233.0	84.0	0.0	26.800
SION	SPK0047												183.1
PONDEROSA DIVERS	CA00274	FK FEATHER RIVER	MI	108.0	39 32.9	121 16.1	108.0	717.0	717.0	717.0	126.0	5.0	0.0
ION	SPK0048												5.220
MINERS RANCH ERVOIR	CA00275	THI N HONCUT CREEK	MI	87.0	39 30.5	121 27.4	87.0	223.0	223.0	223.0	50.0	1.0	9.900
	SPK0049	(S F THR RIV											79.1
CONCO	CA00277	CONCO CREEK	MI	15.0	39 45.8	121 31.6	15.0	27.0	27.0	27.0	91.0	9.0	0.0
	SPK0050												1.02
MAGALIA	CA00296	LITTLE BUTTE CREEK	MI	11.0	39 48.4	121 34.9	11.0	20.0	20.0	20.0	88.0	3.0	0.0
	SPK0051												0.650
PANADISE	CA00297	LITTLE BUTTE CREEK	MI	9.0	39 51.1	121 34.5	9.0	19.0	19.0	19.0	133.0	6.0	0.0
	SPK0052												0.610
POE FOREBAY	CA00328	FK FEATHER RIVER	MI	1950.0	39 48.6	121 25.6	1950.0	3013.0	3013.0	3013.0	12.0	1.0	124.200
	SPK0053												512.0

L E G E N D

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- (3) - ESTIMATED CAPACITY AND ENERGY: P=PAVING, O=OTHER
- (3) - UNINSTALLED CAPACITY AND ENERGY: P=PAVING, O=OTHER
- (3) - TOTAL POTENTIAL CAPACITY AND ENERGY: P=PAVING, O=OTHER

(07/09/79)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER	STREAM	PUMP	UMER	LATITUDE (DM,N)	LONGITUDE (SM,MI)	AREA (SFS)	ANNUAL INFLOW (CFS)	NET POWER (KW)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (MM)	ENERGY (GWH)
COUNTY NAME: BUTTE												
DE SABLE FOREBAY	CA00303	THI BUTTE CREEK	(1)	PACIFIC GAS	39 52.3	109.0	300	1530	50	0.8E	18.45E	120.1
	SPK0054			ELECT CO	121 36.5						90.84E	173.8
PHILBROOK CREEK	CA00345	PHILBROOK CREEK	(2)	PACIFIC GAS	40 1.0	5.0	7	60	71	5.8E	0.8E	0.
	SPK0055			ELECT CO	121 28.5						.18E	.2
COAL CANYON POWERHOUSE	CA09003	MIOCENE CANYON	(3)	PACIFIC GAS	39 36.5	113.0	328	481	0	0.8E	.80E	7.5
	SPK0056			LAND ELEC.	121 56.5						0.	0.
CENTERVILLE POWERHOUSE	CA08005	BUTTE CREEK	(3)	PACIFIC GAS	39 47.5	129.0	414	577	0	0.8E	6.40E	43.8
	SPK0057			ELECT. CO.	121 39.8						0.	0.
LIME SADDLE POWERHOUSE	CA00128	BRANCH FEATHER	(3)	PACIFIC GAS	39 45.0	113.0	324	462	0	0.8E	1.60E	11.0
	SPK0058	RIVER		LAND ELEC.	121 35.0						0.	0.
COUNTY NAME: CALAVERAS												
CEDAR RESERVOIR	CA00079	NORTH FORK CALAVERAS RIVER	(3)		36 14.4	83.0	74	133	180	40	0.	0.
	SPK0059				120 41.1						3.22E	6.3
CHILI GULCH	CA00040	CHILI GULCH	(3)		38 14.4	5.0	13	118	160	17	0.	0.
	SPK0060				120 43.3						.46E	1.1
COLLIERVILLE	CA00090	STANISLAUS RIVER	(3)		38 8.0	223.0	567	2470	0	120	0.	0.
	SPK0061				120 23.0						525.54E	923.5
ESPERANZA RESERVOIR	CA00117	ESPERANZA CREEK	(3)		36 17.8	10.0	23	92	124	7	0.	0.
	SPK0062				120 31.5						.86E	1.4
FOREST CREEK RESERVOIR	CA00125	FOREST CREEK	(3)		38 25.2	16.0	49	104	148	5	0.	0.
	SPK0063				120 24.1						1.93E	3.2
FORKS RESERVOIR	CA00120	SOUTH FORK CALAVERAS RIVER	(3)		38 9.6	149.0	379	118	160	60	0.	0.
	SPK0064				120 40.5						16.81E	29.5

LEGEND

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- (3) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS) T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
P U 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	ID#	STREAM	PURP#	WATER	LATITUDE	LONGITUDE	DRAINAGE AREA	AVERAGE ANNUAL INFLOW	NET HEAD	HEIGHT OF DAM	STORAGE CAPACITY	ENERGY
	NUMBER	CR RIVER	(2)	WATER	(DM, N)	(SU, W)	(SQ MI)	(CFS)	(FT)	(FT)	(AC FT)	(MWH)
	(1)											(GWH)
COUNTY NAME: CALAVERAS												
FERC POWER SUPPLY AREA 40 FERC REGIONAL OFFICE CODE 3P												
HIGHLAND	*CAU0147*	*NORTH FORK STANISLAUS RIVER	*	*	*38 24.0	*120 4.0	*50.0	*51.0	*745.0	*0.0	*62.0	*0.0
JESUS MARIA	*CAU0160*	*JESUS MARIA CREEK	*	*	*36 16.2	*120 30.7	*13.0	*59.0	*1200.0	*215.0	*36.0	*0.0
LITTLE JUANES RESERVOIR	*CAU0186*	*LITTLE JUANES CREEK	*	*	*37 52.0	*120 37.5	*29.0	*11.0	*135.0	*180.0	*225.0	*0.0
MCCARTYS RESERVOIR	*CAU0200*	*NORTH FORK CALAVERAS RIVER	*	*	*38 19.5	*120 30.3	*4.0	*11.0	*110.0	*100.0	*35.0	*0.0
NORTH FORK MOKELUMNE RIVER	*CAU0220*	*NORTH FORK MOKELUMNE RIVER	*	*	*38 24.3	*120 34.2	*346.0	*606.0	*110.0	*160.0	*5.0	*0.0
USMEL RESERVOIR	*CAU0229*	*USMEL CREEK	*	*	*38 19.5	*120 28.5	*10.0	*24.0	*122.0	*165.0	*6.0	*0.0
RAILROAD FLAT	*CAU0252*	*SOUTH FORK MOKELUMNE RIVER	*	*	*38 22.0	*120 37.0	*96.0	*65.0	*1620.0	*170.0	*80.0	*0.0
HANSEY RESERVOIR	*CAU0253*	*NORTH FORK STANISLAUS RIVER	*	*	*38 21.0	*120 10.9	*132.0	*325.0	*235.0	*255.0	*33.0	*0.0
SCOTTS RESERVOIR	*CAU0269*	*SAN ANTONIO CREEK	*	*	*38 12.0	*120 25.9	*21.0	*20.0	*140.0	*200.0	*10.0	*0.0
SQUAW HOLLOW	*CAU0268*	*NORTH FORK STANISLAUS RIVER	*	*	*36 16.0	*120 16.0	*111.0	*266.0	*2225.0	*0.0	*65.0	*0.0
SWISS RANCH RESERVOIR	*CAU0296*	*JESUS MARIA CREEK	*	*	*38 16.5	*120 28.5	*0.0	*10.0	*200.0	*270.0	*15.0	*0.0
UPPER MIDDLE FORK MOKELUMNE RIVER	*CAU0306*	*MIDDLE FORK MOKELUMNE RIVER	*	*	*38 23.3	*120 24.1	*21.0	*64.0	*165.0	*223.0	*12.0	*0.0

L E G E N D

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- (3) - INSTALLED CAPACITY AND ENERGY NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (3) - UNINSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/09/79)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER	NAME OF STREAM OR RIVER	PROJ PURP (1)	OWNER	LATITUDE	LONGITUDE	ORAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEAD (FT)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (MH)	MAXIMUM ENERGY (3)
COUNTY NAME: CALAVERAS												
GOODWIN	CA00260	STANISLAUS RIVER	I S	DANDALE S	37 51.8	120 37.7	966.0	1500	69	81	1.8E	0.7E 0.
	SPK0077			N JUANUIN	120 37.7						31.55AN	75.5
TULLOCH	CA00265	STANISLAUS RIVER	M I	DANDALE S	37 52.5	120 36.2	960.0	1500	157	171	68.8E	17.10AE 70.2
	SPK0079			N JUANUIN	120 36.2						0.7E 0.	0.7E 0.
MIDDLE FORK	CA00307	HID FA MUELUPNE	I S	CALAVENAS P	38 25.1	120 26.5	29.0	62	60	80	2.8E	0.7E 0.
	SPK0080	RIVER		U DIST							1.66AN	1.3
JEFF DAVIS	CA00309	THI NET GULCH	C M I S	CALAVENAS P	38 20.6	120 32.4	1.0	3	93	109	2.8E	0.7E 0.
	SPK0081	CREEK		U DIST	120 32.4						0.9AN	.1
MURPHYS FOREBAY	CA00420	TRI ANGELS CREEK	M	PACIFIC GAS	38 8.9	120 26.0	206.0	524	685	64	0.8E	3.60E 16.0
	SPK0082			ELECT CO	120 26.0						131.04AN	280.6
HUNTERS RESERVOIR	CA00423	HILL CREEK	M I	PACIFIC GAS	38 11.9	120 21.6	206.0	524	685	56	0.8E	0.7E 0.
	SPK0083			ELECT CO	120 21.6						134.64AN	236.6
SALT SPRINGS VALLEY RESERVOIR	CA00620	RUCK CR	S I	HUNCK CREEK	38 1.6	120 45.6	20.0	8	56	42	11.8E	0.7E 0.
	SPK0084			ATER DIST	120 45.6						0.9AN	.1
ANGELS PIONEER	CA00600	ANGELS CREEK	M	PACIFIC GAS	38 47.3	120 52.3	213.0	542	448	0	0.8E	1.40E 6.2
	SPK0085			AND ELECT.	120 52.3						89.65AN	153.8
NEW HOGAN LAKE	CA0109	CALAVENAS RIVER	C M	DAEN SPR	36 9.1	120 48.7	363.0	241	144	195	357.8E	0.7E 0.
	SPK0086				120 48.7						4.59AN	9.6
NEW MELONES	CA1024	STANISLAUS RIVER	C M I U	LSBN	37 56.0	120 31.5	900.0	1560	460	614	2670.8E	500.00E 430.0
	SPK0087				120 31.5						0.7E 0.	0.7E 0.
COUNTY NAME: COLUSA												
BEAR VALLEY	CA00052	BEAR CREEK			39 27.5	122 24.5	100.0	186	299	356	2470.8U	0.7E 0.
	SPK1421				122 24.5						AT	16.51T 23.1

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(3) - E=INSTALLED CAPACITY AND ENERGY, N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
(4) - U=UNDEVELOPED SITES

P R E L I M I N A R Y E S T I M A T E S
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	NAME OF STREAM OR RIVER	PURPOSE (1)	OWNER	LATITUDE (DM,N)	LONGITUDE (DM,W)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEAD (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (MM)	MAXIMUM ENERGY (GWH)
COUNTY NAME: COLUSA												
FUNKS	CAU0131	FUNKS CRK	I		39 19.5	122 16.5	15.0	180.0	67.0	75.0	17.0	0.0
	SPK0088										.70	1.0
GOLDEN GATE	CAU0130	STONE CORRAL	F		39 16.8	122 20.5	30.0	77.0	47.0	63.0	48.0	0.0
	SPK0099	UNKS CREEK									1.20	2.0
SITES RES	CAU0275	STONE CORRAL	CH		39 16.8	122 20.5	30.0	186.0	225.0	243.0	121.6	0.0
	SPK0090										3.00	7.6
EAST PARK RESERVOIR	CAU1045	LITTLE STONY CREEK	S	USBR	39 22.0	122 30.4	102.0	85.0	90.0	42.0	55.0	0.0
	SPK0091										2.30	3.8
COUNTY NAME: CONTRA COSTA												
KELLOG	CAU0172	KELLOG CREEK	S		37 48.6	121 43.6	7.0	3.0	104.0	170.0	135.0	0.0
	SPK0092										.08	.1
SAN PABLO RESERVOIR	CAU0166	PABLO CREEK	S		37 56.6	122 15.5	32.0	18.0	152.0	155.0	43.0	0.0
	SPN0006										.55	.7
BRIONES RESERVOIR	CAU0172	BEAR CREEK	S		37 54.8	122 12.5	8.6	3.0	222.0	261.0	68.0	0.0
	SPN0007										.20	.3
MARSH CRK	CAU0809	MARSH CR	C		37 53.4	121 43.4	52.0	9.0	40.0	47.0	4.0	0.0
	SPK0093										.16	.1
COUNTY NAME: EL DORADO												
AUKUM RESERVOIR	CAU0046	SOUTH FORK COSUMES RIVER	I		38 33.0	120 44.0	50.0	47.0	176.0	184.0	120.0	0.0
	SPK0094										2.97	5.8
BAKERS FORD	CAU0066	MIDDLE FORK COSUMES RIVER	S		38 37.5	120 41.1	66.0	76.0	81.0	110.0	16.0	0.0
	SPK0095										2.09	4.1

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- (3) - ESTABLISHED CAPACITY AND ENERGY
- (3) - UNINSTALLED CAPACITY AND ENERGY

NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	ID NUMBER	NAME OF STREAM	CR RIVER	PROJ PURP (2)	OWNER	LONGITUDE (DM, M)	PLATITUDE (DM, M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLUW (CFS)	NET POWER OF DAM (MW)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE CAPACITY (AC FT)	ENERGY (GWH)
COUNTY NAME: EL DORADO													
BRIDGEPORT RESERVOIR	CAU0064	SOUTH FORK COLUMBIAN RIVER				120 43.5	38 32.7	536.0	481	49	130	36	0
	SPK0096	SOUTH FORK COLUMBIAN RIVER				120 43.5	38 32.7	536.0	481	49	130	36	0
CAPPS CROSSING	CAU0074	NORTH FORK COLUMBIAN RIVER				120 22.6	38 38.2	19.0	53	140	162	25	0
	SPK0097	NORTH FORK COLUMBIAN RIVER				120 22.6	38 38.2	19.0	53	140	162	25	0
CASE VALLEY RESERVOIR	CAU0075	SOUTH FORK COLUMBIAN RIVER				120 52.6	38 51.0	6.0	16	145	196	16	0
	SPK0098	SOUTH FORK COLUMBIAN RIVER				120 52.6	38 51.0	6.0	16	145	196	16	0
COLOMA AFTERBAY	CAU0091	SOUTH FORK AMERINDIAN RIVER				120 53.0	38 47.0	631.0	1341	40	0	2	0
	SPK0099	SOUTH FORK AMERINDIAN RIVER				120 53.0	38 47.0	631.0	1341	40	0	2	0
COLOMA RESERVOIR	CAU0092	SOUTH FORK AMERINDIAN RIVER				120 52.0	38 47.0	616.0	1310	160	160	0	0
	SPK0100	SOUTH FORK AMERINDIAN RIVER				120 52.0	38 47.0	616.0	1310	160	160	0	0
EL DORADO	CAU0116	SOUTH FORK AMERINDIAN RIVER				120 57.8	38 48.7	449.0	676	1900	0	246	0
	SPK0101	SOUTH FORK AMERINDIAN RIVER				120 57.8	38 48.7	449.0	676	1900	0	246	0
FURNI SOUTH FORK RESERVOIR	CAU0129	SOUTH FORK AMERINDIAN RIVER				120 10.0	38 47.0	64.0	57	111	150	2	0
	SPK0102	SOUTH FORK AMERINDIAN RIVER				120 10.0	38 47.0	64.0	57	111	150	2	0
INDIAN CREEK RESERVOIR	CAU0155	HEBER CREEK				120 56.0	38 44.0	214.0	209	200	137	6	0
	SPK0103	HEBER CREEK				120 56.0	38 44.0	214.0	209	200	137	6	0
KYBURZ	CAU0178	SOUTH FORK AMERINDIAN RIVER				120 19.5	38 46.0	108.0	160	1055	0	0	0
	SPK0104	SOUTH FORK AMERINDIAN RIVER				120 19.5	38 46.0	108.0	160	1055	0	0	0
MICHIGAN BAR	CAU0203	COLUMBIAN RIVER				121 3.0	38 30.0	536.0	481	78	105	84	0
	SPK0105	COLUMBIAN RIVER				121 3.0	38 30.0	536.0	481	78	105	84	0
MIDDLE END RESERVOIR	CAU0206	NORTH FORK COLUMBIAN RIVER				120 52.2	38 40.5	43.0	58	135	180	7	0
	SPK0106	NORTH FORK COLUMBIAN RIVER				120 52.2	38 40.5	43.0	58	135	180	7	0
PARK CREEK RESERVOIR	CAU0237	PARK CREEK				120 29.0	38 44.0	10.0	23	1850	180	7	0
	SPK0107	PARK CREEK				120 29.0	38 44.0	10.0	23	1850	180	7	0

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- (3) - UNINSTALLED CAPACITY AND ENERGY NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED DAMS)
- (3) - UNINSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED DAMS)

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
 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	PUMP OR DAM (2)	LATITUDE (DM,N)	LONGITUDE (DM,W)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEIGHT OF DAM (FT)	PERCENT REGIONAL OFFICE SUPPLY AREA	REGIONAL OFFICE CODE	PERCENT REGIONAL OFFICE SUPPLY AREA	MAXIMUM STORAGE CAPACITY (1000 KW)	ENERGY (GWH)
***** COUNTY NAME: EL DORADO *****													
PI PI	CAU0243	MIDDLE FORK COSUMES RIVER		36 34.3	120 25.5	45.0	88	250	29%	70	0	5.22	6.5
	SPK0106	MCKES RIVER		38 45.0	120 25.0	5.0	13	1550	170	0	0	2.81	10.3
PLUM CREEK RESERVOIR	CAU0247	PLUM CREEK		36 46.0	121 1.0	807.0	1716	235	250	112	0	124.64	267.7
	SPK0109	SOUTH FORK AMERIS RIVER		38 47.0	121 2.0	687.0	1460	44	60	1	0	5.87	25.7
SALMON FALLS AFT. ER BAY	CAU0263	SOUTH FORK AMERIS RIVER		38 50.0	120 57.0	673.0	1431	450	0	7	0	199.04	427.6
	SPK0110	SOUTH FORK AMERIS RIVER		36 46.0	120 19.5	180.0	267	1590	0	0	0	184.66	275.3
SALMON FALLS (ALTERNATE PLAN)	CAU0265	SOUTH FORK AMERIS RIVER		38 34.0	120 51.2	11.0	25	115	155	12	0	1.19	1.9
	SPK0112	SOUTH FORK AMERIS RIVER		38 40.3	120 45.0	6.0	16	63	85	5	0	.30	.7
SILVER FORK PH. W	CAU0273	SOUTH FORK AMERIS RIVER		38 42.0	120 47.0	24.0	40	150	170	22	0	2.04	3.7
	SPK0113	SOUTH FORK AMERIS RIVER		36 42.0	120 12.0	37.0	100	1600	0	0	0	62.96	107.2
SOPIAGO RESERVOIR	CAU0276	SOPIAGO CREEK		38 25.4	120 40.9	40.0	36	155	210	15	0	1.81	3.5
	SPK0114	SOPIAGO CREEK		38 42.9	120 41.3	8.0	18	124	168	6	0	.94	1.5
SQUAN HOLLOW RESERVOIR	CAU0287	SQUAN HOLLOW CREEK											
	SPK0115	SQUAN HOLLOW CREEK											
TEXAS HILL RESERVOIR	CAU0301	WEBER CREEK											
	SPK0116	WEBER CREEK											
VAN WINKLE	CAU0309	SOUTH FORK AMERIS RIVER											
	SPK0117	SOUTH FORK AMERIS RIVER											
VOLCANO RESERVOIR	CAU0311	SUTTER CREEK											
	SPK0118	SUTTER CREEK											
WEBBER (ENLARGED)	CAU0317	WEBBER CREEK											
	SPK0119	WEBBER CREEK											

L E G E N D

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- (3) - INSTALLED CAPACITY AND ENERGY - NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (4) - UNINSTALLED CAPACITY AND ENERGY - TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	PROJECT NUMBER	STREAM NAME	COUNTY	PROJECT PURPOSE	UPPER	LATITUDE (DM.M)	DRAINAGE AREA (SQ.M)	AVERAGE ANNUAL INFLOW (CFS)	NET HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW)	ENERGY (GWH)
MEBER	CA0022	MEBER CREEK	EL DORADO	HYDROELECTRIC	EL DORADO	36 43.0	10.0	17.0	72.0	85.0	1.0	0.0
	SPN0120					120 41.4						0.46
ECHO LAKE	CA00374	TRINITY UPPER TRUCKEE RIVER	EL DORADO	HYDROELECTRIC	PACIFIC GAS ELECTRIC	36 50.1	33.0	68.0	5.0	6.0	2.0	0.0
	SPN0121					120 2.0						0.17
EL DORADO FOREMAN	CA00375	MILLER CANYON	EL DORADO	HYDROELECTRIC	PACIFIC GAS ELECTRIC	38 46.2	217.0	322.0	1909.0	82.0	0.0	20.00
	SPN0122					120 35.1						247.31
CHILI BAN	CA00414	FRANKLIN CREEK	EL DORADO	HYDROELECTRIC	PACIFIC GAS ELECTRIC	36 46.3	600.0	1583.0	60.0	60.0	4.0	7.02
	SPN0123					120 48.7						0.0
STUMPY MEADOWS	CA00607	PILOT CREEK	EL DORADO	HYDROELECTRIC	PACIFIC GAS ELECTRIC	36 54.2	12.0	26.0	129.0	152.0	20.0	0.0
	SPN0124					120 36.2						0.99
ICE HOUSE RESERVOIR	CA00614	SILVER CREEK	EL DORADO	HYDROELECTRIC	PACIFIC GAS ELECTRIC	38 49.3	27.0	76.0	112.0	132.0	46.0	0.0
	SPN0125					120 21.6						2.60
JUNCTION RESERVOIR	CA00615	SILVER CREEK	EL DORADO	HYDROELECTRIC	PACIFIC GAS ELECTRIC	36 51.2	142.0	248.0	1535.0	150.0	3.0	133.00
	SPN0126					120 27.2						0.0
UNION VALLEY RESERVOIR	CA00616	SILVER CREEK	EL DORADO	HYDROELECTRIC	PACIFIC GAS ELECTRIC	36 52.0	167.0	248.0	420.0	425.0	271.0	33.25
	SPN0127					120 26.3						0.0
CAMINO RESERVOIR	CA00617	SILVER CREEK	EL DORADO	HYDROELECTRIC	PACIFIC GAS ELECTRIC	36 49.0	250.0	49.0	1063.0	56.0	1.0	142.50
	SPN0128					120 32.1						0.0
GERLE	CA00618	GERLE CREEK	EL DORADO	HYDROELECTRIC	PACIFIC GAS ELECTRIC	36 58.3	24.0	132.0	41.0	48.0	1.0	0.0
	SPN0129					120 23.3						1.04
HOBBS PEAK	CA00619	FRANKLIN CANYON	EL DORADO	HYDROELECTRIC	PACIFIC GAS ELECTRIC	38 56.0	83.0	123.0	356.0	31.0	0.0	23.75
	SPN0130					120 23.3						0.0
LOON LAKE	CA00620	GERLE CREEK	EL DORADO	HYDROELECTRIC	PACIFIC GAS ELECTRIC	39 0.2	8.0	25.0	1153.0	100.0	77.0	74.10
	SPN0131					120 10.0						0.0

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 (3) - INSTALLED CAPACITY AND ENERGY NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
 (3) - UNINSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

L E G E N D

P R E L I M I N A R Y E S T I M A T E S
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	IDNT	NAME OF STREAM	PKD#	DRAINAGE	AVERAGE ANNUAL	NET HEIGHT	MAXIMUM	CAPACITY	ENERGY		
	NUMBER	OR RIVER	PURP	AREA	INFLOR	OF	STORAGE	(M ³)	(GWH)		
	(1)		(2)	(SQ.M)	(CFS)	DAM	(1000	(3)	(3)		
				(CM.M)	(FT)	(FT)	AC FT)	(3)	(3)		
COUNTY NAME:	EL DORADO			FERC POWER SUPPLY AREA 46	FERC REGIONAL OFFICE CODE	SF					
BUCK ISLAND RESERVOIR	CA00821	LITTLE RUBICON	DHSR	SACRAMENTO	M	39	.2	123	15	1.5E 0	.5E 0
RYDIR	SPK0132			UD						N	.34E N .7
RUBICON RESERVOIR	CA00822	RUBICON R	S D	SACRAMENTO	M	38	59.3	110	26	1.5E 0	.5E 0
	SPK0133			UD						N	.73E N 1.2
SLAB CRK	CA00823	FK AMERICAN R	S D	SACRAMENTO	M	38	46.4	614	854	17.5E 190.00E	618.6
	SPK0134			UD						N	.0
BRUSH CRK	CA00824	BRUSH CR	S D	SACRAMENTO	M	38	28.2	18	174	2.5E 0	.5E 0
	SPK0135			UD						N	1.31E N 2.1
JENKINSON LAKE (SLYPARK DAM)	CA01017	SLYPARK CREEK	DUISKO	UD		36	42.8	27	165	44.5E 0	.5E 0
	SPK0136	FFSTRAEM				120	33.6			N	1.60E N 2.8
COUNTY NAME:	PRESNO			FERC POWER SUPPLY AREA 46	FERC REGIONAL OFFICE CODE	SF					
ALCALDE MANCH	CA00037	WARTHAN CRK				36	5.0	91	4	127	160
	SPK0137					120	25.7			T	.11E T .1
CEDAR GROVE	CA00076	SOUTH FORK KINGS				36	50.0	385	541	2070	0
	SPK0138	RIVER				118	52.0			N	588.79E T 687.2
DINKEY MEADOW RESERVOIR	CA00109	DINKEY CREEK				37	2.2	105	147	2530	305
	SPK0139					119	8.1			N	196.26E T 229.1
JACALITOS	CA00162	JACALITOS CRK				40	6.0	10	16	43	58
	SPK0140					121	11.5			T	.34E T .5
JUNCTION RESERVOIR	CA00169	KINGS RIVER				36	50.8	100	140	1095	240
IR	SPK0141					118	53.6			N	162.54E T 189.7
KELLERS MANCH	CA00171	KINGS RIVER				36	53.0	1530	2094	280	0
	SPK0142					119	8.0			N	133.5E T 201.31E T 404.1

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 D=DEWIS CONTROL, P=FAHM POND, D=UTHER
 (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)

 L E G E N D

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	IDNT NUMBER	NAME OF STREAM	PROJ NUMBER	UWREN	LATITUDE (DM,N)	LONGITUDE (DM,W)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 AC FT)	ENERGY (MWH)
LITTLE DRY CREEK	CA00185	LITTLE DRY CREEK	1		36 56.6	119 41.4	40.0	2000	123	131	36	0
	SPK0143											2.62
MILL CREEK	CA00200	MILL CRK			36 46.0	119 22.0	127.0	174	222	300	355	0
	SPK0144											20.81
NUNEZ RANCH	CA00223	LOS GATOS CRK			36 13.0	120 27.5	94.0	4	125	167	0	0
	SPK0145											0.11
OWEN MOUNTAIN SERVOIR	CA00231	LITTLE DRY CREEK			36 56.9	119 40.0	40.0	70	285	340	750	0
	SPK0146											4.69
MOSS	CA00259	DINKEY CREEK			36 59.0	119 7.0	69.0	143	1100	0	54	0
	SPK0147											48.07
TEHIPITE	CA00299	MIDDLE FORK KING			36 51.0	118 56.0	291.0	409	1710	0	24	0
	SPK0148											367.63
BALCH DIVERSION	CA00355	F. KINGS RIVER			36 53.2	119 1.3	233.0	307	238	108	1	128.20
	SPK0149											613.6
BALCH AFTERWAY	CA00356	FK KINGS RIVER			36 54.4	119 6.0	50.0	387	1412	104	0	44.10
	SPK0150											207.9
WISHON	CA00411	FK KINGS RIVER			37 1	118 58.2	181.0	362	2450	250	128	135.00
	SPK0151											517.5
COURTRIGHT VOIR	CA00412	HELPS CREEK			37 4.3	118 57.9	40.0	76	1034	307	123	0
	SPK0152											1050.00
HEAR CREEK DIVISION	CA00420	BEAR CREEK			37 20.1	118 56.4	54.0	90	42	49	0	0
	SPK0153											1.28
BIG CREEK NO 5	CA00431	BIG CREEK			37 12.0	119 18.7	125.0	74	40	47	0	0
	SPK0154											0.85

L E G E N D

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(07/09/79)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PUMP (2)	WATER	LONGITUDE (DM, M)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	NET POWER (KW)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (MG)	ENERGY (KWH) (3)
COUNTY NAME: FRESNO											
BIG CREEK NO 6 (IVERSON DAM)	CA000432	SAN JOAQUIN RIVER	SPK0155	SOUTHERN CAL	37 12.4	1224.0	419	027	120	1.0E 106.50E	775.0
FLORENCE LAKE	CA000333	FR SAN JOAQUIN RIVER	SPK0150	SOUTHERN CAL	37 16.4	171.0	310	250	135	66.0E	10.00E 51.0
HUNTINGTON LAKE NO 1	CA000344	BIG CREEK	SPK0157	SOUTHERN CAL	37 13.6	420.0	224	213	161	89.0E	67.00E 521.0
SHAVER LAKE	CA000437	STEVENSON CREEK	SPK0154	SOUTHERN CAL	37 0.7	472.0	224	241	179	135.0E	80.00E 387.0
BIG CREEK NO 7 (HEDINGER LAKE)	CA000440	SAN JOAQUIN RIVER	SPK0159	SOUTHERN CAL	37 0.7	1295.0	419	416	193	35.0E	84.00E 428.0
LAKE THOMAS A (VERMILLION RESERVOIR)	CA000441	HUNG CREEK	SPK0160	SOUTHERN CAL	37 22.2	90.0	192	126	151	125.0E	0.0E 0.0
MAMMOTH POOL (ERVIR)	CA000443	SAN JOAQUIN RIVER	SPK0161	SOUTHERN CAL	37 19.3	1000.0	330	110	575	123.0E	129.36E 546.0
BIG DRY CREEK (SERVOIR)	CA010755	DY CREEK	SPK0162	STATE RECLAMATION GUARD	36 52.6	91.0	54	26	35	25.0E	0.0E 0.0
BIG CREEK NO. 2 (PINE FLAT LAKE)	CA000427	BIG CREEK	SPK0163	SOUTHERN CAL	37 12.0	0.0	0	185	0	0.0E	57.75E 451.0
MILLERTON LAKE (PRIANT DAM)	CA010154	SAN JOAQUIN RIVER	SPK0155	CIMH DAEN SPR	36 49.9	1545.0	2242	386	424	1113.0E	0.0E 0.0

LESEN

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- (3) - INSTALLED CAPACITY AND ENERGY MEAN INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
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(07/09/79)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF CALIFORNIA

PROJECT NAME	PROJECT NUMBER (1)	NAME OF STREAM OR RIVER	OWNER	PROJECT (2)	LATITUDE (N)	LONGITUDE (W)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	AVERAGE ANNUAL FLOW (CFS)	NET HEAD (FT)	STORAGE CAPACITY (M3)	MAXIMUM ENERGY (MWH)
COUNTY NAME: GLENN												
CLARK VALLEY	CA00035	FR WILLOW CREEK			39 32.5	122 23.0	39.0	79.0	69.0	94.0	5.0	0.0
	SPK0166											1.04E+07
HIGH PEAK	CA00140	HUNTERS CREEK			39 23.5	122 20.0	17.0	34.0	54.0	60.0	11.0	0.0
	SPK0178											7.0E+06
RANCHERIA	CA00254	STONY CREEK		IC	39 39.0	122 23.5	597.0	336.0	296.0	400.0	5040.0	0.0
	SPK0160											44.41E+06
SQUAN FLAT	CA00245	LOGAN CREEK			39 28.5	122 20.0	21.0	43.0	44.0	60.0	6.0	0.0
	SPK0169											6.3E+06
STONY GORGE RESE	CA00194	STONY CREEK		II	39 35.1	122 31.9	301.0	503.0	113.0	119.0	59.0	0.0
NOVIN	SPK0170											16.0E+06
COUNTY NAME: HUMBOLDT												
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF												
SEQUOIA	CA00100	DEER RIVER			40 1.9	123 4.7	2220.0	4775.0	455.0	615.0	5000.0	0.0
	SPK0000											691.0E+06
LARABEE	CA00020	FR VAN DUZEN			40 2.7	123 4.0	56.0	205.0	148.0	200.0	70.0	0.0
	SPK0004	RIVER										2.43E+06
YAGER	CA00023	YAGER CREEK			40 3.4	124 0.0	115.0	299.0	145.0	200.0	120.0	0.0
	SPK0010											37.0E+06
COUNTY NAME: IMPERIAL												
FERC POWER SUPPLY AREA 47 FERC REGIONAL OFFICE CODE SF												
IMPERIAL DIVERST	CA01059	COLCHAUD		IK	32 33.0	114 20.0	10700.0	11250.0	17.0	23.0	90.0	0.0
UN	SPK0073											59.70E+06
(SENATOR WASH	CA01075	SENATOR WASH OFF		OR	32 54.7	114 20.7	1.0	1.0	30.0	30.0	18.0	0.0
SERVIC) NORTH	SPK0074	STREAM										1.0E+06

LEGEND

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- (3) - ESTABLISHED CAPACITY AND ENERGY: N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
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(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	NAME OF STREAM	PUMP	UWAER	LATITUDE (DM.M)	LONGITUDE (DM.M)	URAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLUN (CFS)	NET POWER OF DAM (MW)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (AC FT)	ENERGY (MWH)

COUNTY NAME: IMPERIAL												
SENATOR WASH (NE)	CA10105	SENATOR WASH	ALS	DHR	32 53.4	114 28.5	1.0	61.	78.	18.	7.20E	3.6
SERVDIR	SPL5001	OFFSTREAM										0.
SENATOR WASH RES	CA10191	SENATOR WASH OFF	DHR	DUI	32 54.5	114 28.7	1.0	50.	60.	18.	0.	0.
ERVOIR-SQUAW LAK	SPL0075	STREAM										.40E

COUNTY NAME: INYO												
HAIWEE	CA00002	ROUSE VALLEY	S	CITY OF LOS ANGELES	36 8.2	117 56.9	89.0	43.	55.	65.	59.	5.60E
	SPL0076											0.
TINEMAMA	CA00004	WIMENS RIVER	S	CITY OF LOS ANGELES	37 3.5	118 13.5	1915.0	379.	26.	33.	16.	0.
	SPL0077											1.65E
PLEASANT VALLEY	CA00098	WIMENS RIVER	M	CITY OF LOS ANGELES	37 24.8	118 31.2	574.0	293.	65.	76.	4.	3.20E
	SPL0078											0.

COUNTY NAME: KERN												
ANT HILL	CA00040	KERN RIVER			35 26.0	118 53.0	2420.0	160.	174.	0.	70.	0.
	SPK0171											2.59E
CANEBAKE	CA00072	CANEBAKE CREEK			35 43.1	118 4.1	29.0	14.	74.	100.	5.	0.
	SPK0172											.44E
KELSO	CA00174	KELSO CREEK			35 33.8	118 14.5	63.0	31.	44.	60.	6.	0.
	SPK0173											.50E
UNYX	CA00230	SOUTH FK KERN RIVER			35 43.8	118 10.1	475.0	98.	1610.	0.	72.	0.
	SPK0174											52.67E
POSO	CA00240	PUSO CRK			35 31.5	118 56.0	230.0	121.	96.	96.	0.	0.
	SPK0175											3.05E

L E G E N D												

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DROBRIS CONTROL, PEARM FOND, OTHER
(3) - ESTABLISHED CAPACITY AND ENERGY MEAN INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
(3) - UNINSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	NAME OF STREAM OR RIVER	PROJ. PURP. (2)	OWNER	LATITUDE (N, M)	LONGITUDE (W, M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 AC FT)	MAXIMUM ENERGY (MWH)
KELSEYVILLE LAKE	CAU0173	KELSEY CREEK			38 55.9	122 50.8	43.0	87.	97.	131.	50.	0.
	SPK0187											2.34
KENNEDY FLATS	CAU0175	CACHE CREEK			38 57.0	122 23.5	800.0	364.	405.	548.	2300.	0.
	SPK0188											81.86
LAKEPORT LAKE	CAU0179	SCOTT'S CREEK			39 2.5	122 58.0	52.0	58.	146.	198.	55.	0.
	SPK0189											3.68
NOYES	CAU0222	PUTAH CREEK			38 46.5	122 27.0	113.0	210.	188.	255.	110.	0.
	SPK0190											10.64
PITNEY RIDGE	CAU0246	MIDDLE CREEK			39 11.0	122 54.6	8.0	16.	47.	64.	5.	0.
	SPK0191											0.29
PUTAH CREEK CANYON	CAU0249	PUTAH CREEK			39 48.0	122 35.5	113.0	169.	63.	85.	6.	0.
	SPK0192											2.54
WILSON VALLEY	CAU0321	CACHE CREEK			38 57.0	122 27.0	600.0	364.	370.	377.	1000.	0.
	SPK0193											78.77
LAKE PILLSHURY (SCOTT)	CAU0398	HEEL RIVER			39 24.4	122 57.5	289.0	520.	100.	118.	94.	0.
	SPN0011											7.49
DETERN LAKE	CAU0569	HUCKSNORT CR			39 43.5	122 31.4	10.0	13.	34.	40.	3.	0.
	SPK0194											0.20
COYOTE CR	CAU0572	COYOTE CR			38 48.6	122 33.5	6.0	12.	71.	64.	3.	0.
	SPK0195											0.33
HIGHLAND CRK	CAU0828	HIGHLAND CR			38 56.9	122 54.1	14.0	27.	54.	63.	4.	0.
	SPK0196											0.52
CLEAR LAKE IMP	CAU0911	CACHE CR			38 55.4	122 33.9	528.0	366.	26.	30.	420.	0.
	SPK0197											1.61

 COUNTY NAME: LAKE
 FERC POWER SUPPLY AREA 46
 FERC REGIONAL OFFICE CODE SF

 LEGEND

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(07/09/79)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM CR RIVER	PUMP (2)	OWNER	LATITUDE (DM,N)	LONGITUDE (DM,W)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER HEAD (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 AC FT)	ENERGY (MMWH)	CAPACITY (3)
COUNTY NAMES LABELS													
***** FERC POWER SUPPLY AREA 46 *****													
***** FERC REGIONAL OFFICE CODE SF *****													
BIG VALLEY	CAU0059	PIT RIVER			41 1.0	121 16.0	2900.0	559.0	840.0	0.0	1000.0	0.0	0.0
	SPK0198											184.83	203.2
DEVILS CORRAL	CAU0108	SUSAN RIVER			40 28.0	120 43.5	184.0	97.0	140.0	189.0	30.0	0.0	0.0
	SPK0199											2.97	7.4
EAGLE LAKE DIKE	CAU0114	EAGLE LAKE			41 38.5	120 43.5	226.0	72.0	22.0	30.0	83.0	0.0	0.0
	SPK0200											.47	1.1
FOURTH BUTTE	CAU0130	PIT RIVER			39 59.0	121 16.5	2690.0	3024.0	118.0	160.0	90.0	0.0	0.0
	SPK0201											98.43	238.8
LITTLE VALLEY	CAU0148	HORSE CREEK			40 52.5	121 8.0	59.0	51.0	52.0	70.0	25.0	0.0	0.0
	SPK0202											.35	1.9
LONG VALLEY	CAU0189	LONG VALLEY CREEK			39 53.5	120 3.5	120.0	132.0	77.0	104.0	20.0	0.0	0.0
	SPK0203											3.11	6.8
MCCALLISTER	CAU0199	WILLOW CREEK			40 26.5	120 27.0	202.0	107.0	67.0	90.0	8.0	0.0	0.0
	SPK0204											2.47	4.5
PETES VALLEY	CAU0242	WILLOW CREEK			40 29.5	120 28.0	244.0	129.0	67.0	90.0	25.0	0.0	0.0
	SPK0205											2.99	5.4
INDIAN OLE DAM (CA00407)	CA00407	HAMILTON CREEK	H	PACIFIC GAS	40 17.0	121 1.5	158.0	232.0	410.0	18.0	25.0	5.39	15.8
MTN MEADOWS RES) (SPK0206)	SPK0206			ELECT CO								23.33	42.7
ROUND VALLEY	CA00509	ROUND VALLEY CR	S I	JACK + THUMA	40 31.0	120 39.7	10.0	18.0	34.0	40.0	6.0	0.0	0.0
	SPK0207			S SWICKARD								.27	.4
RED ROCK NO.3	CA00510	RED ROCK CR	S I	DODGE RANCH	40 58.1	120 8.2	2.0	8.0	48.0	56.0	10.0	0.0	0.0
	SPK0208			ASSOC								.13	.2
COYOTE FLAT RESE	CA00513	COYOTE CR	S I	DET. E. CONNOLLY	40 54.5	120 59.1	30.0	216.0	36.0	42.0	5.0	0.0	0.0
RV01R	SPK0209			ELY								1.30	5.5

LEGEND

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P R E L I M I N A R Y E S T I M A T E S
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	NAME OF STREAM	CR RIVER	PROJ#	PUMPA	OWNER	LATITUDE	LONGITUDE	AREA	DRAINAGE	AVERAGE ANNUAL INFLOW (CFS)	NET POWER OF HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (MH)	ENERGY CAPACITY (GWH)

COUNTY NAME: LASSEN															
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF															
LAKE LEAVITT	CA00316	SUSAN RIVER		S I		LASSEN IRRIG	40 22.6	120 30.4	9.0	20.0	13.0	15.0	14.0	0.0	0.0
	SPK0210					CU								.09	.2
MCCOY FLAT RESERVOIR	CA00517	SUSAN RIVER		S I		LASSEN IRRIG	40 27.2	120 56.5	110.0	100.0	14.0	17.0	17.0	0.0	0.0
	SPK0211					CU								.18	1.0
HEATH RESERVOIR	CA00525	SLATE CR		D I		H. HEATH	40 50.5	120 47.1	22.0	150.0	34.0	40.0	9.0	0.0	0.0
	SPK0212													.92	3.8
TULE LAKE	CA00956	CEDAR CR		S I		OCcidental P	41 5.0		82.0	26.0	8.0	9.0	40.0	0.0	0.0
	SPK0213					SET L+U COMP	120 22.0							.06	.1
HAT CREEK NO.1	CA00031	HAT CREEK		M		PG AND E	40 55.0	121 32.5	-0.0	0.0	217.0	-0.0	0.0	10.00	19.3
	SPK0214													.0	.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	14.0	175.0	0.0	95.0	0.0	0.0
	SPK0215													.73	1.7
CASTAIC	CA00044	CASTAIC CR		I R		SACAL DEPT	34 31.2	118 36.2	154.0	41.0	272.0	320.0	324.0	56.00	60.0
	SPLO079					ER RES								.0	.0
PYRAMID	CA00052	PIRU CREEK		I R		SACAL DEPT	34 38.7	118 45.8	293.0	125.0	303.0	350.0	171.0	0.0	0.0
	SPLO080					ER RES								6.12	9.2
LOWER SAN FERNANDO	CA00076	SAN FERNANDO CREEK		S		CITY OF LOS ANGELES	34 17.1	118 28.7	13.0	8.0	112.0	132.0	21.0	0.0	0.0
	SPLO081													.24	.3
BOUQUET CANYON	CA00088	BOUQUET CREEK		S		CITY OF LOS ANGELES	34 32.4	118 23.0	14.0	8.0	149.0	175.0	37.0	0.0	0.0
	SPLO082													.35	.5
BIG DALTON	CA00187	BIG DALTON CR		C		LOS ANGELES	34 10.2	117 48.5	5.0	2.0	106.0	143.0	1.0	0.0	0.0
	SPLO083					COUNTY FCD								.10	.2

L E G E N D															

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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	IDNT * NUMBER * (1) *	NAME OF STREAM CR RIVER	PROJ * PUMP * (2) *	CANER	LATITUDE * (DN,M) *	DRAINAGE AREA * (SQ MI) *	ANNUAL * INFLOW * (CFS) *	NET * HEIGHT * (FT) *	MAXIMUM * DF * (1000 MH) *	CAPACITY * DAM * (FT) *	ENERGY * (GWH) (3) *
COUNTY NAME: LOS ANGELES											
F E R C P O W E R S U P P L Y A R E A 4 7 F E R C R E G I O N A L O F F I C E C O D E S F											
BIG SANTA ANITA	*CA00188*	*RIO MONDO	*I S	*LOS ANGELES	*34 11.0	*11.0*	*7.0	*160.0	*216.0	*1.0E	*0.0E
	SPL0084			*COUNTY FCD	*118 1.1					*.36EN	*.5
DEVILS GATE	*CA00189*	*ARROYO SECO	*C	*LOS ANGELES	*34 11.1	*32.0*	*9.0	*62.0	*84.0	*3.0E	*0.0E
	SPL5002			*COUNTY FCD	*118 10.5					*.25EN	*.3
COGSWELL	*CA00190*	*FK SAN GABRIEL	*H I	*LOS ANGELES	*34 14.7	*39.0*	*25.0	*181.0	*245.0	*9.0E	*0.0E
	SPL0086			*COUNTY FCD	*117 57.9					*.134EN	*2.0
BIG TUJUNGA	*CA00191*	*BIG TUJUNGA CREEK	*S	*LOS ANGELES	*34 17.6	*82.0*	*22.0	*137.0	*186.0	*6.0E	*0.0E
	SPL0087			*COUNTY FCD	*118 11.2					*.87EN	*1.2
PACOIMA	*CA00193*	*PACOIMA CREEK	*C	*LOS ANGELES	*34 20.1	*28.0*	*9.0	*222.0	*300.0	*3.0E	*0.0E
	SPL0088			*COUNTY FCD	*118 23.7					*.79EN	*.8
PUDDINGSTONE	*CA00194*	*WALNUT CREEK	*C	*LOS ANGELES	*34 5.3	*32.0*	*10.0	*100.0	*135.0	*17.0E	*0.0E
	SPL0089			*COUNTY FCD	*117 48.7					*.59EN	*1.5
SAN DIMAS	*CA00195*	*SAN DIMAS CREEK	*C I	*LOS ANGELES	*34 9.3	*16.0*	*5.0	*81.0	*109.0	*2.0E	*0.0E
	SPL0090			*COUNTY FCD	*117 46.3					*.35EN	*.4
SAN GABRIEL	*CA00200*	*SAN GABRIEL RIVE	*C	*LOS ANGELES	*34 12.4	*203.0*	*145.0	*208.0	*282.0	*46.0E	*0.0E
	SPL0091			*COUNTY FCD	*117 51.5					*.401EN	*5.4
MORRIS	*CA00215*	*SAN GABRIEL RIVE	*S	*METROPOLITAN	*34 10.4	*217.0*	*99.0	*208.0	*245.0	*30.0E	*0.0E
	SPL0092			*WATER DIST	*117 52.8					*.416EN	*5.7
LITTLEROCK	*CA00237*	*LITTLEROCK CREEK	*I	*LITTLEROCK P	*34 29.1	*64.0*	*16.0	*94.0	*110.0	*4.0E	*0.0E
	SPL0093			*ALDALE ID	*118 1.3					*.69EN	*.9
COUNTY NAME: MADERA											
F E R C P O W E R S U P P L Y A R E A 4 6 F E R C R E G I O N A L O F F I C E C O D E S F											
CHIQUITO RESERVOIR	*CA00216*	*CHIQUITO CREEK	*S	*MADERA	*37 24.3	*146.0*	*86.0	*1650.0	*158.0	*75.0E	*0.0E
	SPL0216				*119 22.3					*.4098E	*84.8

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P R E L I M I N A R Y E S T I M A T E S
P U 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	CANEN	PUMP (2)	LATITUDE (DM.M)	LONGITUDE (SD MI)	ORAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (MM)	MAXIMUM ENERGY (WH)
FIGARDEN	CAU0123	SAN JUAQUIN RIVER			36 50.7	1703.0	1956.0	55.0	65.0	94.0	0.0
	SPK0217				119 54.8						41.0
FORKS	CAU0126	SAN JUAQUIN RIVER			37 28.8	393.0	750.0	710.0	300.0	35.0	0.0
	SPK0218				119 18.4						205.98
GRANITE CREEK RESERVOIR	CAU0141	GRANITE CREEK			37 30.4	48.0	81.0	2990.0	350.0	150.0	0.0
	SPK0219				119 14.5						96.42
JACKASS	CAU0163	NORTH FORK SAN J			37 27.0	84.0	135.0	2090.0	166.0	101.0	0.0
	SPK0220				119 24.0						86.21
LEWIS	CAU0182	LEWIS CREEK			37 22.1	28.0	49.0	92.0	125.0	15.0	0.0
	SPK0221				119 38.1						1.74
MIAMI	CAU0202	MIAMI CREEK			37 24.7	12.0	21.0	89.0	120.0	5.0	0.0
	SPK0222				119 39.2						87.0
MILLER BRIDGE	CAU0209	SAN JUAQUIN RIVER			37 30.7	249.0	469.0	875.0	305.0	63.0	0.0
	SPK0223	MIC FK			119 12.0						164.88
NEIDER	CAU0216	NEIDER CREEK			37 22.1	10.0	17.0	118.0	160.0	15.0	0.0
	SPK0224				119 36.4						96.0
SOMUEL RESERVOIR	CAU0279	NORTH FORK WILLO			37 24.5	17.0	30.0	72.0	97.0	8.0	0.0
	SPK0225	WY CREEK			119 33.8						99.0
TEMPERANCE FLAT	CAU0300	SAN JUAQUIN RIVER			37 4.1	1480.0	1447.0	443.0	600.0	1100.0	0.0
	SPK0226				119 35.6						233.87
WINDY GAP	CAU0322	FRESNO RIVER			37 21.2	102.0	60.0	1180.0	187.0	50.0	0.0
	SPK0227				119 45.0						20.47
BASS LAKE (CRANE VALLEY STORAGE)	CAU0337	N FK SAN JOAQUIN			37 17.5	50.0	83.0	118.0	130.0	45.0	5.1
	SPK0228	RIVER			119 31.8						86.0

COUNTY NAME: MADERA
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF

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(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	NAME OF STREAM	CH RIVER	PROJ PURP	OWNER	LATITUDE	LONGITUDE	URAINAGE AREA	ANNUAL INFLOW	NET WEIGHT OF DAM	STORAGE CAPACITY	ENERGY
	(1)			(2)		(DM,M)	(S,M)	(SQ MI)	(CFS)	(FT)	(AC FT)	(MW) (3)
COUNTY NAME: MADERA												
CORRINE LK(SAN JAC)	CA00336	TRIN	FK SAN JUAN		PACIFIC GAS	37 9.5		51.0	85.	47.	15.	0.34
DAQUIN NO 1A	FOR-SPK0229	QUIN RIVER			ELECT CO	119 29.5						0.
SAN JOAQUIN P.M.	CA00339	TRIN	FK SAN JUAN		PACIFIC GAS	37 15.2		50.0	85.	402.	25.	4.00
NO. 3 FOREHAY	SPK0230	QUIN RIVER			ELECT CO	119 31.8						0.
KERCKHOFF DIVERS	CA00340	SAN JOAQUIN RIVER			PACIFIC GAS	37 7.7		1461.0	2372.	350.	83.	34.08
ION	SPK0231				ELECT CO	119 31.5						100.00
HANZANITA LK(SAN JAC)	CA00342	FK SAN JOAQUIN			PACIFIC GAS	37 14.6		50.0	85.	404.	24.	2.88
JOAQUIN NO 2	FD-SPK0232	RIVER			ELECT CO	119 30.9						0.
WISHON POWERHOUSE	CA00226	MILLEN CREEK			PG AND E	37 9.0		-0.	0.	1411.	-0.	12.80
E	SPF0233					119 30.2						815.36
BIG CREEK NO. 8	CA00027	BIG CREEK			SOUTHERN CAL	37 12.0		-0.	0.	715.	-0.	58.50
H	SPK0234				IF EDISON CO	119 19.8						0.
H V EASTMAN LAKE	CA10243	CHOCOMILLA RIVER	CIR		DAEN SPK	37 13.0		254.0	102.	159.	200.	192.
(RUCHANAN DAM)	SPA0235					119 59.0						0.
HENSLEY LAKE	CA10244	FRESNO RIVER	CIR		DAEN SPK	37 6.6		258.0	106.	81.	151.	118.
DOEN DAM)	SPK0236					119 53.0						0.
COUNTY NAME: MARIN												
KENT LAKE	CA00208	LAGUNITAS CREEK	S		MARIN MUN WA	37 59.8		11.5	4.	149.	175.	17.
	SPH0012				TEK DIST	122 42.2						0.
NICASIO RESERVOIR	CA00209	NICASIO CREEK	S		MARIN MUN WA	38 4.8		36.0	23.	85.	100.	23.
R	SPH0013				TEK DIST	122 45.2						0.

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L E G E N D

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	NAME OF STREAM	COUNTY	OWNER	PURPOSE	PROJ#	LONGITUDE (DM,M)	LATITUDE (DM,M)	AREA (SQ MI)	DRAINAGE AREA (SQ MI)	ANNUAL INFLW (CFS)	AVERAGE ANNUAL POWER (KW)	NET HEIGHT (FT)	DEF STORAGE (1000 AC FT)	CAPACITY (1000 AC FT)	ENERGY (KWH)	
***** COUNTY NAME: MARIPOSA *****																	
BARRY	CAU0047	MERCED RIVER	CAU				37 36.8	120 7.7	912.0	1152.0	400.0	0.0	415.0	0.0	147.0	315.0	
	SPK0237																
COULTERVILLE	CAU0094	MAYHALL CREEK	CAU				37 39.0	120 22.1	5.0	2.0	140.0	200.0	22.0	0.0	0.0	0.0	
	SPK0238																
HITE COVE	CAU0148	SOUTH FORK MERCED RIVER	CAU				37 38.0	119 50.0	105.0	348.0	1000.0	0.0	50.0	0.0	140.0	235.0	
	SPK0239																
MARGUERITE	CAU0197	DUTCHMAN AND DEAR CREEK	CAU				37 14.0	120 10.0	59.0	35.0	24.0	32.0	13.0	0.0	0.0	0.0	
	SPK0240																
NORWEGIAN GULCH RESERVOIR	CAU0221	UPPER REAR CREEK	CAU				37 29.0	120 6.4	22.0	67.0	78.0	105.0	7.0	0.0	0.0	0.0	
	SPK0241																
SOUTH FORK MERCED DIVERSION RESE	CAU0283	SOUTH FORK MERCED RIVER	CAU				37 36.7	119 43.3	134.0	252.0	339.0	458.0	70.0	0.0	0.0	0.0	
	SPK0242																
SWEETWATER	CAU0295	SOUTH FORK MERCED RIVER	CAU				37 39.0	119 55.0	226.0	423.0	300.0	0.0	50.0	0.0	0.0	0.0	
	SPK0243																
VIRGINIA POINT	CAU0310	MERCED RIVER	CAU				37 38.6	120 10.0	924.0	1168.0	399.0	540.0	1000.0	0.0	0.0	0.0	
	SPK0244																
LAKE MCCLURE (MERCED DAM)	CAU00240	MERCED RIVER	CAU				37 35.1	120 16.2	1020.0	1300.0	464.0	437.0	1021.0	80.0	0.0	0.0	
	SPK0245																
MCSMAIN RESERVOIR	CAU00242	MERCED RIVER	CAU				37 31.0	120 19.5	1040.0	1339.0	56.0	86.0	10.0	0.0	0.0	0.0	
	SPK0246																
CASCADE (YOSEMITI POWERHOUSE)	CAU0001	MERCED RIVER	CAU				37 43.3	119 42.1	323.0	606.0	356.0	50.0	0.0	0.0	0.0	0.0	
	SPK0247																
BEAR DAM	CAU0101	BEAR CREEK	CAU				37 22.2	120 13.7	72.0	72.0	64.0	87.0	13.0	0.0	0.0	0.0	
	SPK0248																

L E G E N D

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- (3) - E=INSTALLED CAPACITY AND ENERGY, N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
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(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	PURP (2)	OWNER	LATITUDE (DM.M)	LONGITUDE (SM MI)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEIGHT OF DAM (FT)	MAXIMUM STORAGE CAPACITY (1000 GWH)	ENERGY CAPACITY (3)	
***** COUNTY NAME: MARIPOSA *****												
MARIPOSA LAKE	CA10107	MARIPOSA CREEK	C	DAEN SPK	37 17.5	108.0	64.0	61.0	83.0	22.0	0.0	
	SPK0249				120 8.8					1.130	2.3	
OWENS LAKE	CA10111	OWENS CREEK	C	DAEN SPK	37 18.9	29.0	29.0	52.0	70.0	6.0	0.0	
	SPK0250				120 11.1					.500	1.0	
***** COUNTY NAME: MENDOCINO *****												
***** BELL SPRINGS *****												
	CAU0017	EEL RIVER			39 5.4	1570.0	3425.0	443.0	600.0	1300.0	0.0	
	SPN0014				123 2.8					490.550	648.0	
***** SPENCER FRANCISCO *****												
	CAU0019	PK EEL RIVER			39 4.7	425.0	822.0	244.0	330.0	850.0	0.0	
	SPN0015				123 .9					55.190	61.0	
***** VALLEYS END *****												
	CAU0021	TOMKI CREEK			39 2.5	48.0	89.0	100.0	135.0	57.0	0.0	
	SPN0016				123 13.0					2.480	10.0	
***** BRANSCOMB *****												
	CAU0022	PK EEL RIVER			39 4.2	45.0	205.0	111.0	150.0	45.0	0.0	
	SPN0017				123 4.0					2.560	10.9	
***** FELIZ *****												
	CAU0026	FELIZ CREEK			38 5.9	39.0	49.0	113.0	153.0	69.0	0.0	
	SPN0018				123 .8					1.190	1.2	
***** REDWOOD VALLEY *****												
	CAU0027	RUSSIAN RIVER			39 1.9	14.0	23.0	133.0	180.0	90.0	0.0	
	SPN0019				123 1.5					1.300	1.0	
***** FORSYTHE *****												
	CAU0028	FORSYTHE CREEK			39 18.0	30.0	51.0	206.0	279.0	71.0	0.0	
	SPN0020				123 15.0					2.810	5.1	
***** DIGGER HEND *****												
	CAU0029	RUSSIAN RIVER			38 36.0	750.0	1027.0	22.0	30.0	1.0	0.0	
	SPN0021				122 48.0					.820	1.0	
***** COYOTE DAM *****												
	CAU0029	RUSSIAN RIVER	SR	COMPS	39 12.0	105.0	343.0	95.0	128.0	123.0	0.0	
	SPN0022				123 11.0					4.580	21.2	

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- (3) - INSTALLED CAPACITY AND ENERGY: INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (3) - UNINSTALLED CAPACITY AND ENERGY: TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

P R E L I M I N A R Y E S T I M A T E S
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 #	NAME OF STREAM	PROJ #	LONGITUDE (D.M.S)	AREA (SQ MI)	ANNUAL INFLUX (CFS)	AVERAGE ANNUAL INFLUX (CFS)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 A.C.F.T)	ENERGY (MWH)
***** COUNTY NAME: MENDOCINO *****										
DOS RIOS	CA00330	HEEL RIVER		39 5.0	745.0	939.0	540.0	730.0	0.0	0.0
	SPN0023			123 18.0					134.86	151.1
***** COUNTY NAME: MERCED *****										
RUSSIAN RIVER RESERVOIR	CA10201	RUSSIAN RIVER	CSN	39 12.0	105.0	364.0	116.0	145.0	130.0	0.0
SERVOIR COYOTE	VSP0024			123 5.0					5.55	26.0
***** COUNTY NAME: MERCED *****										
CASCADE	CA00276	CASCADE CREEK		37 24.8	28.2	28.0	30.0	33.0	0.0	0.0
	SPK0251			120 29.5					.33	.6
MONTGOMERY	CA00213	DRY CREEK	I	37 33.5	67.0	67.0	90.0	101.0	275.0	0.0
	SPK0252			120 27.9					2.04	3.8
CROCKER DIVERSION	CA00239	MERCED RIVER	I	MERCED IRR D# 37 30.9	1045.0	1339.0	11.0	13.0	0.0	0.0
	SPK0253			120 22.2					1.73	7.2
LAKE YOSEMITE	CA00241	MERCED RIVER (OF MERCED IRR D#)	I	37 26.3	41.0	41.0	52.0	58.0	7.0	0.0
	SPK0254	STREAM		120 26.2					.52	.9
MERCED FALLS	CA00341	MERCED RIVER	H	37 31.0	1061.0	1339.0	26.0	21.0	1.0	3.44
	SPK0255			120 19.7					0.0	0.0
BURNS DAM	CA10103	BURNS CREEK	C	37 22.6	74.0	74.0	36.0	49.0	22.0	0.0
	SPK0256			120 16.5					1.04	1.8
LOS BANDS DETENT	CA10107	BURNS CREEK	C	37 0.0	168.0	19.0	126.0	150.0	52.0	0.0
	SPK0257			120 55.9					.68	.6
ONEILL FOREBAY	CA10171	SAN LUIS CREEK	HUI	37 5.4	1.0	0.0	50.0	64.0	65.0	25.20
	SPK0258			121 2.3					0.0	0.0
SAN LUIS RESERVOIR	CA10143	SAN LUIS CREEK	ISR	37 3.5	83.0	0.0	327.0	305.0	2064.0	424.00
	SPK0259			121 4.5					0.0	0.0

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PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER	NAME OF STREAM	PROJ NUMBER	CR RIVER	PUMP	OWNER	LATITUDE	DRAINAGE AREA	AVERAGE ANNUAL INFLOW	NET HEAD	HEIGHT OF DAM	MAXIMUM STORAGE	CAPACITY ENERGY
	(1)		(2)				(DUMH)	(SQ MI)	(CFS)	(FT)	(FT)	(1000 AC FT)	(MWH) (3)
COUNTY NAME													(3)
***** COUNTY NAME: MODOC *****													
ALLEN CAMP DAM	CA00039	PIT RIVER	IMH				41 20.8	1550.0	250.	70.	95.	74.	0. 0.
	SPK0260						121 8.2						1.92 7.6
ROUND VALLEY	CA00260	CASH CREEK	CI				41 12.0	258.0	83.	74.	88.	72.	0. 0.
	SPK0261						120 52.0						1.56 3.7
BIG SAGE	CA00233	HATTLESNAKE CREEK					41 34.7	107.0	34.	34.	40.	77.	0. 0.
	SPK0262						120 37.5						.34 0.8
WEST VALLEY	CA00300	HEFT VALLEY CREEK					41 13.4	135.0	80.	44.	52.	22.	0. 0.
	SPK0263						120 24.5						.56 1.3
MCBRIEN	CA00459	PIT RIVER	I				41 27.4	1087.0	100.	9.	11.	1.	0. 0.
	SPK0264						120 41.8						.19 0.7
ESSEX RESERVOIR	CA00461	PIT RIVER	I				41 30.7	5.0	10.	31.	37.	4.	0. 0.
	SPK0265						120 44.8						.07 0.2
LINDAUER CONCRETE	CA00914	PIT RIVER	S D				41 26.1	1150.0	100.	5.	6.	1.	0. 0.
E	SPK0266						120 43.4						.11 0.4
POISON SPRINGS	CA00910	MOCK CREEK	S U				41 49.1	49.0	37.	31.	37.	7.	0. 0.
	SPK0267						120 1.6						.44 0.8
CLEAR LAKE	CA10141	LOST RIVER	IC				41 55.6	670.0	167.	30.	32.	566.	0. 0.
	SPK0268						121 4.5						1.10 2.2
DORRIS DAM	CA10144	PARNER AND PINE CREEKS	IS				41 29.3	39.0	29.	19.	23.	13.	0. 0.
	SPK0269						120 29.3						.21 0.4
***** COUNTY NAME: MONO *****													
ANTELOPE VALLEY	CA10042	WEST WALKER					58 31.0	176.0	331.	1200.	0.	80.	0. 0.
	SPK0270						119 27.0						.15 269.2

***** L E G E N D *****

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(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	NAME OF STREAM	PROJ#	LAITUDE	DRAINAGE	AVERAGE	NET	HEIGHT	MAXIMUM	STORAGE	CAPACITY	ENERGY
	NUMBER	OR RIVER	PUMP	LONGITUDE	AREA	ANNUAL	POWER	OF				
	(1)		(2)	(DM,M)	(SQ MI)	(CFS)	(FT)	(FT)	(AC FT)	(MH)	(3)	(3)
COUNTY NAME:	FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 8F											
LEAVITT	CA00101	WEST WALKER RIVER		38 20.0	75.0	108	400	0	51	0	0	0
	SPK0271			119 33.0							24.75	44.9
PICKLE MEADOWS	CA00244	WEST WALKER RIVER		38 21.7	115.0	190	146	165	110	0	0	0
	SPK0272			119 29.5							2.88	10.5
WILLOW FLAT	CA00320	LITTLE WALKER RI		38 17.1	15.0	40	142	0	18	0	0	0
	SPK0273	VER		119 27.1							1.67	3.9
GRANT LAKE	CA00049	RUSH CREEK	S	CITY OF LOS	60.0	62	61	72	48	0	0	0
	SPL0098			ANGELES							.96	3.8
LAKE CROWLEY LON	CA00090	WHEAT RIVER	M S	CITY OF LOS	437.0	137	83	112	1835	0	0	0
G VALLEY	SPL0099			ANGELES	118 42.3						2.48	2.1
BRIDGEPORT	CA00244	EAST WALKER RIVER	I	WALKER RIVER	358.0	136	44	52	42	0	0	0
	SPL0096			IRK DIST	119 12.7						1.48	4.1
(MUGH LAKE)-MUS	CA00450	RUSH CREEK	M I	SOUTHERN CAL	15.0	19	40	47	5	0	0	0
H CREEK MEADOWS	SPL0097			IF EDISON CO	119 10.8						.23	.5
LUNDY LAKE	CA00451	MILL CREEK	M I	SOUTHERN CAL	20.0	37	34	40	4	0	0	0
	SPL0098			IF EDISON CO	119 13.2						3.00	6.0
GEM LAKE	CA00453	RUSH CREEK	M I	SOUTHERN CAL	37 45.1	29	60	70	18	0	0	0
	SPL0099			IF EDISON CO	119 8.5						.50	1.2
COUNTY NAME: MONTEREY	FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 8F											
SAN CLEMENTE	CA00032	CAMEL RIVER		36 2.6	125.0	82	314	425	154	0	0	0
	SPN0025			121 4.2							4.58	9.1
SAN ANTONIO	CA00326	SAN ANTONIO RIVER		MUNTEREY CO	35 45.6	92	132	179	348	0	0	0
	SPN0026			NTY FCMCO	120 52.4						2.05	3.9

L E G E N D

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(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	PRCJ#	PURP# (2)	OWNER	LATITUDE (DM, M)	LONGITUDE (DM, M)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	AVERAGE ANNUAL FLOW (CFS)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (MM)	ENERGY CAPACITY (GWH) (3)
COUNTY NAMES: MONTEREY													
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 3F													
SAN CLEMENTE	CA00689	CARMEL R	S D	CALIF-AMERIC	36 26.1	121 42.4	155.0	60.0	64.0	75.0	2.0E	0.0E	0.0
	SPL0100			SAN WATER CO								1.71E	2.7
LDS PADRES	CA00692	CARMEL R	S D	CALIF-AMERIC	36 23.1	121 40.0	45.0	86.0	111.0	130.0	3.0E	0.0E	0.0
	SPL0101			SAN WATER CO								3.48E	5.4
SAN ANTONIO	CA00613	SAN ANTONIO R	S D	MONTEREY CTV	35 47.9	120 53.0	324.0	105.0	152.0	179.0	348.0E	0.0E	0.0
	SPL0102		R	FC&CO								2.92E	4.4
COUNTY NAMES: NAPA													
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 3F													
ADAMS	CA00036	ETICLIVERA CREEK			38 42.0	122 17.5	54.0	63.0	100.0	135.0	34.0E	0.0E	0.0
	SPK0274											1.87E	2.4
GOODINGS	CA00139	MAXWELL CREEK			39 37.0	122 21.0	39.0	79.0	81.0	110.0	51.0E	0.0E	0.0
	SPK0275											2.15E	3.5
JAMES CREEK	CA00165	JAMES CREEK			38 40.5	122 28.5	9.0	4.0	81.0	110.0	13.0E	0.0E	0.0
	SPK0276											0.0E	0.1
SNELL	CA00276	PUTAH CREEK			39 39.5	122 18.5	253.0	378.0	233.0	315.0	394.0E	0.0E	0.0
	SPK0277											29.23E	52.4
WALTER SPRINGS	CA00313	POPE CREEK			38 38.7	122 21.5	78.0	145.0	59.0	80.0	25.0E	0.0E	0.0
	SPK0278											2.01E	3.2
LAKE CURRY	CA00140	GORDON VALLEY CREEK		CITY OF VALL	38 21.5	122 7.4	17.0	7.0	82.0	97.0	11.0E	0.0E	0.0
	SPK0027			EJU								0.15E	0.2
MONTICELLO DAM	CA01070	PUTAH CREEK		IKS	38 30.0	122 6.2	566.0	488.0	205.0	266.0	1833.0E	0.0E	0.0
LAKE BERRYESSA	SPK5001											26.80E	42.7

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(07/09/79)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT #	NAME OF STREAM	CRIVER	PROJ#	OWNER	LAITUDE	DRAINAGE	AVERAGE	NET	HEIGHT	MAXIMUM	STORAGE	CAPACITY	ENERGY
	(1)			(2)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
COUNTY NAME: NEVADA						(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
ANTHONY HOUSE	CA00043	DEER CREEK		S		39 14.0	65.0	150.0	66.0	52.0	12.0	0.0	2.17	0.0
	SPK0279					121 12.0								4.0
BITNEY CORNER	CA00060	DEER CREEK		I		39 14.5	85.0	150.0	128.0	173.0	20.0	0.0	3.96	0.0
	SPK0280					121 7.5								7.1
BLOODY RUN	CA00061	BLOODY RUN		I		39 24.5	5.0	11.0	113.0	153.0	7.0	0.0	0.48	0.0
	SPK0281					120 54.0								0.8
GARDEN BAR	CA00134	BEAR RIVER				39 2.2	210.0	296.0	149.0	202.0	300.0	0.0	15.74	0.0
	SPK0282					121 6.5								24.6
SHADY CREEK	CA00271	SHADY CREEK		I		39 20.5	10.0	23.0	107.0	107.0	6.0	0.0	0.83	0.0
	SPK0283					121 5.5								1.5
WASHINGTON	CA00315	SOUTH YUBA RIVER				39 21.0	122.0	262.0	935.0	400.0	126.0	0.0	87.96	0.0
	SPK0284					120 50.0								165.0
WEAVER LAKE	CA00316	WEAVER CREEK				39 27.5	28.0	65.0	34.0	45.0	6.0	0.0	0.75	0.0
	SPK0285					120 50.5								1.3
BOWMAN LAKE (FOOTFILL)	CA00245	CANYON CREEK		I S	NEVADA IRR D	39 26.9	110.0	100.0	316.0	165.0	68.0	6.30	0.0	25.1
	SPK0286				IST	120 59.0								0.0
DEER CREEK DIVERSION	CA00246	DEER CREEK		I S	NEVADA IRR D	39 16.1	120.0	671.0	74.0	87.0	1.0	0.0	0.0	0.0
	SPK0287				IST	120 57.1								10.8
FRENCH LAKE	CA00247	CANYON CREEK		I S	NEVADA IRR D	39 25.2	6.0	30.0	61.0	95.0	13.0	0.0	0.40	0.0
	SPK0288				IST	120 52.4								0.7
MILTON DIVERSION	CA00248	MIDDLE FK YUBA RIVER		I S	NEVADA IRR D	39 31.3	42.0	123.0	23.0	27.0	0.0	0.0	0.74	0.0
	SPK0289				IST	120 34.9								1.3
COMBIE	CA00249	BEAR RIVER		I S	NEVADA IRR D	39 0.0	130.0	400.0	64.0	75.0	9.0	0.0	2.76	0.0
	SPK0290				IST	121 3.4								5.5

LEGEND

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

P R E L I M I N A R Y E S T I M A T E S
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 (DN,M)	LONGITUDE (SU MI)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	AVERAGE ANNUAL INFLOW (CFS)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (MG)	MAXIMUM ENERGY (GWH)
***** COUNTY NAME: NEVADA *****												
***** FERC POWER SUPPLY AREA 46 *****												
***** FERC REGIONAL OFFICE CODE SF *****												
SAMHILL LAKE	CA00250	CANYON CREEK	H I S	NEVADA	39 26.7	120 36.0	18.0	38.0	38.0	45.0	3.0	0.5
	SPK0291											
SCOTTS FLAT	CA00253	DEER CREEK	H I S	NEVADA	39 16.4	120 55.7	120.0	671.0	140.0	165.0	0.0	0.0
	SPK0292											
JACKSON MEADOWS	CA00254	MIDDLE FK YUBA RIVER	H I S	NEVADA	39 30.6	120 33.5	38.0	123.0	146.0	172.0	0.0	0.0
	SPK0293											
ROLLINS	CA00255	BEAR RIVER	H I S	NEVADA	39 8.2	120 57.0	104.0	398.0	215.0	225.0	0.0	0.0
	SPK0294											
FAUCHERIE	CA00256	CANYON CREEK	H I S	NEVADA	39 25.6	120 33.9	10.0	23.0	36.0	42.0	0.0	0.0
	SPK0295											
DUTCH FLAT AFTER BAY	CA00257	BEAR RIVER	H I S	NEVADA	39 12.8	120 50.6	215.0	248.0	128.0	151.0	1.0	0.0
	SPK0296											
DUTCH FLAT 2 EBAY	CA00258	THI BEAR RIVER	H I S	NEVADA	39 13.4	120 50.0	215.0	406.0	590.0	72.0	0.0	0.0
	SPK0297											
FULLER LAKE	CA00351	JORDAN CREEK	H I S	PACIFIC GAS	39 20.7	120 38.9	71.0	234.0	318.0	33.0	1.0	0.0
	SPK0298											
LAKE FORDYCE	CA00357	FORDYCE CREEK	H I S	PACIFIC GAS	39 22.8	120 29.7	32.0	140.0	105.0	123.0	47.0	0.0
	SPK0299											
LAKE SPAULDING	CA00358	SOUTH FK YUBA RIVER	H I S	PACIFIC GAS	39 19.6	120 38.5	189.0	203.0	197.0	260.0	74.0	10.75
	SPK0300											
LAKE STERLING	CA00359	TRI FORDYCE CREEK	H I S	PACIFIC GAS	39 21.0	120 29.5	32.0	140.0	16.0	19.0	2.0	0.0
	SPK0301											
LAKE VAN NORDEN	CA00362	SOUTH YUBA RIVER	H I S	PACIFIC GAS	39 19.2	120 22.6	12.0	203.0	19.0	22.0	6.0	0.0
	SPK0302											

L E G E N D

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- (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)

(07/09/79)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDNT NUMBER	NAME OF STREAM	CR RIVER	PROJ NUMBER	PURPOSE (1)	OWNER	LONGITUDE (DM, M)	AREA (SQ MI)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFD)	NET HEAD (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (MG)	MAXIMUM ENERGY (MWH)
MEADOW LAKE	CA00366 SPK0303	FORDYCE CREEK				PACIFIC GAS ELECT CO	39 24.0 120 29.9	2.0	50	28	33	5	0.05	0
NEW DRUM AFTER Y	CA00421 SPK5002	BEAR RIVER				PACIFIC GAS ELECT CO	39 15.3 120 46.4	194.0	559	75	88	0	4.93	21.5
DONNER LAKE	CA00537 SPK0304	DONNER CR				SIERRA PACIFIC POWER CO ETAL	39 19.4 120 14.2	15.0	34	12	14	11	0.15	0
OUR HOUSE	CA00644 SPK0305	PK YURA R				YUBA CITY WATER AGENCY	39 24.8 120 59.6	145.0	365	42	49	0	3.12	7.6
ANTHONY HOUSE	CA00964 SPK0306	DEER CREEK				LAKE ILLWACO ASSN	39 14.1 121 13.2	80.0	133	54	63	4	1.71	3.1
MAGNOLIA	CA00966 SPK0307	MAGNOLIA CH				LAKE OF THE PINES ASSN	39 2.3 121 3.7	4.0	9	51	60	4	0.17	0
CHICAGO PARK EBAY	CA00800 SPK0308	BEAR RIVER				NEVADA IRRIGATION DIST	39 10.2 120 55.1	215.0	640	470	0	0	37.35	140.0
FARAD POWERHOUSE	CA08007 SPK0309	TRUCKEE RIVER				SIERRA PACIFIC POWER CO	39 24.8 120 1.0	961.0	802	83	0	0	2.80	14.0
DEER CREEK HOUSE	CA08021 SPK0310	DEER CREEK				PG AND ELECTRIC	39 17.0 120 50.6	0	0	837	-0	0	5.50	30.6
MARTIS CREEK E	CA10108 SPK0311	MARTIS CREEK				DAEN SPK	39 19.6 120 6.7	40.0	16	62	108	35	0	0
BOCA RESERVOIR	CA10135 SPK0312	LITTLE TRUCKEE RIVER				USBR	39 23.3 120 5.7	180.0	190	68	93	41	0	0
PROSSER CREEK SERVOIR	CA10179 SPK0313	PROSSER CREEK				USBR	39 22.8 120 8.4	50.0	77	92	133	41	0	0

 COUNTY NAME: NEVADA
 FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 9F

 AVERAGE ANNUAL INFLOW (CFD) *
 NET HEAD (FT) *
 HEIGHT OF DAM (FT) *
 STORAGE CAPACITY (MG) *
 MAXIMUM ENERGY (MWH) *

 LEGEND

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 (3) - E=INSTALLED CAPACITY AND ENERGY, NEM=INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
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(07/09/79)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM CR RIVER	PROJ PURP (2)	OWNER	LATITUDE (DN.M)	LONGITUDE (SQ MI)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEIGHT OF DAM (FT)	HEAD (FT)	STORAGE CAPACITY (1000 GWH)	ENERGY (3)
COUNTY NAME: PLACER	FERC POWER SUPPLY AREA 46	FERC REGIONAL OFFICE CODE	SF	MAXIMUM								
AUBURN DAM	*CAU0044* *SPK0314*	*AMERICAN RIVER	*IHCSR*		*38 52.0 *121 3.4	*982.0*	*2200.*	*660.*	*700.*	*2500.*	*0.*	*915.0
AUBURN RAVINE	*CAU0045* *SPK0315*	*AUBURN RAVINE			*38 54.0 *121 9.0	*8.0*	*13.*	*175.*	*0.0*	*11.*	*0.*	*1.5
CLOVER VALLEY	*CAU0087* *SPK0316*	*CLOVER VALLEY	*ISR*		*38 49.5 *121 14.0	*3.0*	*8.*	*114.*	*154.*	*32.*	*0.*	*.5
COON CREEK	*CAU0093* *SPK0317*	*COON CREEK	*I*		*38 58.5 *121 13.5	*40.0*	*93.*	*207.*	*207.*	*59.*	*0.*	*9.6
DOTY RAVINE	*CAU0112* *SPK0318*	*TRIP OF COON CRE*			*39 56.0 *121 14.0	*13.0*	*24.*	*78.*	*105.*	*32.*	*0.*	*1.1
FORBES	*CAU0124* *SPK0319*	*FORBES CK			*39 8.0 *120 45.5	*2.0*	*5.*	*92.*	*125.*	*5.*	*0.*	*.3
LINCOLN	*CAU0184* *SPK0320*	*COON CREEK			*38 58.0 *121 17.5	*72.0*	*110.*	*44.*	*60.*	*15.*	*0.*	*2.3
PAGGE	*CAU0232* *SPK0321*	*PAGGE CRK			*39 6.0 *120 48.0	*6.0*	*14.*	*207.*	*280.*	*69.*	*0.*	*1.9
SOUTH MONCUT CREEK	*CAU0202* *SPK0322*	*SOUTH MONCUT CREEK			*39 23.5 *121 21.0	*31.0*	*72.*	*124.*	*168.*	*38.*	*0.*	*5.1
SUGAR PINE	*CAU0292* *SPK0323*	*NORTH SHIRTAIL			*39 8.5 *120 48.0	*9.0*	*20.*	*97.*	*131.*	*10.*	*0.*	*1.3
WHITNEY RANCH	*CAU0318* *SPK0324*	*PLEASANT GROVE CREEK			*38 49.0 *121 16.0	*6.0*	*14.*	*48.*	*65.*	*10.*	*0.*	*.4
CAMPFAR WEST	*CAU0227* *SPK0325*	*HEAR RIVER	*IH*		*39 3.0 *121 18.9	*280.0*	*464.*	*165.*	*181.*	*130.*	*0.*	*24.5

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 DERRIS CONTROL, FARM POND, OTHER
 (3) - INSTALLED CAPACITY AND ENERGY, NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
 (3) - INSTALLED CAPACITY AND ENERGY, TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

LEGEND

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	STREAM	PROJ	PURP	OWNER	LATITUDE	LONGITUDE	DRAINAGE AREA	ANNUAL INFLOW	NET POWER	HEIGHT	MAXIMUM STORAGE	CAPACITY	ENERGY
(1)	(2)	CP RIVER	(2)	(2)		(DM,N)	(SW MJ)	(SQ MI)	(CFS)	(FT)	(FT)	(1000)	(MW)	(GWH)
***** COUNTY NAME: PLACER *****														
***** FERC POWER SUPPLY AREA 46 *****														
***** FERC REGIONAL OFFICE CODE SF *****														
DRUM FOREBAY	CA00350	DRUM CANAL	H			39 14.9	120 48.9	194.0	559.0	1375.0	48.0	1.0	93.30	280.0
	SPK0326												0.0	0.0
HALSEY FORERAY	CA00352	DRY CREEK	H			38 58.3	121 2.3	299.0	116.0	320.0	37.0	0.0	12.00	66.6
	SPK0327												50.88	68.5
LAKE ALTA	CA00355	TRIA FK AMER RIVER	S			39 12.3	120 48.8	203.0	60.0	660.0	20.0	0.0	2.00	6.4
	SPK0328	(URDADHN CNL)											109.73	262.4
LAKE ARTHUR	CA00356	SOUTH FK DRY CREEK	S			38 57.8	121 1.4	2.0	5.0	32.0	38.0	0.0	0.0	0.0
	SPK0329	EK											0.06	0.1
LAKE VALLEY	CA00361	TRIA FK AMERICAN RIVER	H			39 18.0	120 35.9	5.0	11.0	838.0	69.0	8.0	0.0	0.0
	SPK0330												2.82	5.9
L L ANDERSON	CA00856	FK AMERICAN RIVER	R	S D	PLACER CTY	39 6.7	120 28.1	57.0	25.0	639.0	202.0	134.0	15.30	75.3
	SPK0331												0.0	0.0
LOWER HELL HOLE	CA00857	RUBICON R	H	S D	PLACER CTY	39 3.5	120 28.4	114.0	27.0	332.0	390.0	208.0	0.0	0.0
	SPK0332												24.39	36.3
INTERBAY	CA00954	FK AMERICAN RIVER	R	S H	PLACER CTY	39 1.6	120 36.1	214.0	105.0	1344.0	49.0	0.0	79.20	476.3
	SPK0333												0.0	0.0
RALSTON AFTERRAY	CA00859	FK AMERICAN RIVER	R	S D	PLACER CTY	39 .2	120 48.7	429.0	1132.0	89.0	45.0	3.0	6.57	36.5
	SPK0334												18.32	17.4
WISE POWERHOUSE	CA08019	AURURN RAVINE	H			38 53.9	121 6.7	305.0	648.0	519.0	0.0	0.0	12.00	75.0
	SPK0335												92.03	148.5
DUTCH FLAT NO.1 POWERHOUSE	CA08020	BEAR RIVER	H			39 13.0	120 50.2	=0.0	0.0	643.0	=0.0	0.0	22.00	54.8
	SPK0336												93.28	222.6
LJ STEPHENSON POWERHOUSE	CA08030	FK AMERICAN RIVER	H			39 1.0	129 36.1	=0.0	0.0	2101.0	=0.0	0.0	109.80	650.0
	SPK0337												0.0	0.0
	PK) PH												0.0	0.0

L E G E N D

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P R E L I M I N A R Y E S T I M A T E S
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)	STREAM CR RIVER	PROJ NUMBER (2)	PURP (2)	OWNER	LATITUDE (DM,M)	LONGITUDE (DM,M)	AREA (SQ MT)	INFLW (CFS)	HEAD (FT)	DAM (FT)	STORAGE (1000 MW)	MAXIMUM CAPACITY (MW)	ENERGY (3)
***** COUNTY NAME: PLACER *****														
NORTH FORK LAKE	CA10110	NORTH FORK AMERI	DR		DAEN SPK	38 56.2	121 1.4	342.0	840.	132.	155.	15.8E	0.8E	0.0
	SPK0338	CAN RIVER										29.61E	63.6	
LAKE TAHOE	CA10162	TRUCKEE RIVER	ISD		DOI US8K	39 10.0	120 8.6	519.0	190.	10.	10.	732.8E	0.8E	0.0
	SPK0339											30N	1.3	
***** COUNTY NAME: PLUMAS *****														
ABBEY BRIDGE	CAU0034	RED CLOVER CRK				39 38.5	120 33.0	96.0	105.	68.	92.	45.8U	0.8U	0.0
	SPK0340											2.20E	4.8	
CLIO	CAU0085	FEATHER RIVER				39 49.0	120 37.5	686.0	290.	107.	145.	100.8U	0.8U	0.0
	SPK0341											3.30E	11.6	
DIXIE REFUGE	CAU0111	LAST CHANCE CRK	R			40 5.0	120 21.0	44.0	36.	57.	70.	16.8U	0.8U	0.0
	SPK0342											.86E	1.2	
GENESEE	CAU0136	INDIAN CREEK				40 3.0	120 48.0	530.0	510.	190.	28.	60.8U	0.8U	0.0
	SPK0343											29.78E	67.0	
HUMBUG VALLEY	CAU0151	YELLOW CRK				40 6.0	121 11.5	32.0	58.	69.	94.	55.8U	0.8U	0.0
	SPK0344											1.46E	2.2	
INDIAN FALLS	CAU0156	INDIAN CREEK				40 2.0	121 1.0	746.0	557.	490.	0.	0.8U	0.8U	0.0
	SPK0345											99.73E	171.2	
MEADOW VALLEY	CAU0201	SPANISH CRK				39 57.0	121 0.	70.0	504.	1675.	464.	900.8U	0.8U	0.0
	SPK0346											147.66E	607.0	
NELSON POINT	CAU0217	FEATHER RIVER	IR			39 51.0	120 54.5	202.0	297.	360.	365.	116.8U	0.8U	0.0
	SPK0347											32.24E	65.7	
ROCK CREEK	CAU0256	ROCK CREEK				39 55.5	121 1.5	30.0	54.	122.	165.	21.8U	0.8U	0.0
	SPK0348											2.19E	3.4	

L E G E N D

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- (3) - ESTABLISHED CAPACITY AND ENERGY, NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
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(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	IDNT NMBR	NAME OF STREAM CR RIVER	PRCJ PWR	CHNR	LATITUDE (DM.M)	LONGITUDE (DM.M)	DRNAGE AREA (SQ MI)	ANNUAL INFLW (CFS)	AVERAGE ANNUAL PWR (MW)	NET HEIGHT OF HEAD (FT)	STORGE CAPACITY (MH)	ENERGY (3)
SQUAW QUEEN	CAU0288	LAST CHANCE CRK	HR		40 3.0	120 34.5	198.0	291.	1680.	174.	100.	0. MU C.
	SPK0349											187.468T 300.5
TURNABLE	CAU0304	FEATHER RIVER	HR		39 51.5	120 52.0	200.0	294.	201.	245.	0.	0. MU C.
	SPK0350											17.868T 36.4
YELLOW CRK	CAU0325	YELLOW CRK	HR		40 1.0	121 15.0	35.0	64.	2147.	0.	115.	0. MU C.
	SPK0351											59.638T 79.4
FRENCHMAN LAKE	CA00032	LIT LAST CHANCE	HR	CAL DEPT	39 53.5	120 11.2	82.0	29.	94.	110.	51.	0. MU C.
	SPK0352			ER RES								2.098N 3.4
ANTELOPE VALLEY RESERVOIR	CA00037	INDIAN CREEK	HR	CAL DEPT	40 10.8	120 36.4	71.0	69.	77.	90.	22.	0. MU C.
	SPK0353			ER RES								6.108N 26.6
LAKE DAVIS (GRIZZLY VALLEY)	CA00039	RIG GRIZZLY CREEK	HR	CAL DEPT	39 52.9	120 28.5	44.0	38.	89.	105.	83.	0. MU C.
	SPK0354			ER RES								1.358N 1.9
LITTLE GRASS VALLEY	CA00269	FK FEATHER RIVER	HR	SROVILLE	39 43.3	121 1.3	27.0	99.	163.	192.	93.	0. MU C.
	SPK0355			NDOTTE I D								2.738N 5.6
SOUTH FORK DIV	CA00270	FK FEATHER RIVER	HR	SROVILLE	39 38.8	121 7.1	39.0	160.	39.	46.	0.	0. MU C.
	SPK0356			NDOTTE I D								1.198N 2.1
SLATE CREEK DIVISION	CA00271	SLATE CREEK	HR	SROVILLE	39 37.0	121 2.9	50.0	222.	49.	58.	1.	0. MU C.
	SPK0357			NDOTTE I D								1.688N 3.3
BUTT VALLEY RESEVDIR	CA00326	BUTT CREEK	HR	PACIFIC GAS	40 6.9	121 8.8	578.0	84.	1150.	72.	50.	184.808E 355.9
	SPK0358			ELECT CO								0. MU C.
LAKE ALMANDOR	CA00327	FK FEATHER RIVER	HR	PACIFIC GAS	40 10.5	121 5.5	503.0	916.	358.	115.	1308.	36.008E 84.2
	SPK0359			ELECT CO								0. MU C.
CRESTA FOREBAY	CA00329	FK FEATHER RIVER	HR	PACIFIC GAS	39 52.6	121 22.3	1820.0	2900.	290.	66.	4.	67.508E 330.5
	SPK0360			ELECT CO								0. MU C.

 COUNTY NAME: PLUMAS
 FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF

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 DEBRIS CONTROL, PEYAH POND, OTHER
 (3) - INSTALLED CAPACITY AND ENERGY NAME INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
 (3) - INSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

 L E G E N D

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	IDNT	NAME OF STREAM OR RIVER	PROJ. NUMBER	PURP. (1)	OWNER	LONGITUDE (DP,M)	AREA (SQ MI)	INFLW (CFS)	HEAD (FT)	DAM (FT)	AC FT	STORAGE (MH)	CAPACITY (3)	ENERGY (3)
***** COUNTY NAME: PLUMAS *****														
ROCK CREEK	CA00330	N FK FEATHER RIV	SPK0361	ER	PACIFIC GAS	39 59.2	1760.0	2450.0	535.0	78.0	5.0	113.40E	482.5	0.0
LOWER BUCKS LAKE (BUCKS DIVERSIO)	CA00331	BUCKS CREEK	SPK0362		PACIFIC GAS	39 54.1	31.0	56.0	706.0	92.0	6.0	0.0	0.0	0.0
BUCKS LAKE (STOR AGE)	CA00332	BUCKS CREEK	SPK0363		PACIFIC GAS	39 53.8	31.0	56.0	92.0	108.0	103.0	0.0	0.0	0.0
GRIZZLY FOREBAY	CA00333	GRIZZLY CREEK	SPK5003		PACIFIC GAS	39 53.5	31.0	234.0	2598.0	82.0	1.0	66.00E	241.3	0.0
CARIBOU AFTERBAY (BELDER FOREBAY)	CA00413	N FK FEATHER RIV	SPK0364	ER	PACIFIC GAS	40 4.7	612.0	1321.0	770.0	139.0	2.0	117.90E	245.3	0.0
BIDWELL LAKE	CA00530	NORTH CANYON CR	SPK0365		BIDWELL WATER	40 6.8	9.0	16.0	25.0	29.0	5.0	0.0	0.0	0.0
BELDEN POWERHOUSE	CA00622	NORTH FORK FEATH E	SPK0366	ER	PACIFIC GAS	40 0.0	-0.0	0.0	770.0	-0.0	0.0	117.90E	245.3	0.0
***** COUNTY NAME: RIVERSIDE *****														
PERRIS	CA00054	OFFSTREAM	SPL0103		CAL DEPT WAT	33 51.5	10.0	5.0	100.0	120.0	131.0	0.0	0.0	0.0
MATHEWS	CA00212	TRI CAJALCO CREEKS	SPL0104	K	METROPOLITAN	33 50.0	40.0	950.0	211.0	250.0	186.0	0.0	0.0	0.0
ROBERT A SKINNER	CA00223	TUCALOTA CREEK	SPL0105		METROPOLITAN	33 35.2	51.0	750.0	93.0	109.0	44.0	0.0	0.0	0.0
LAKE HEMET	CA00763	S FK SAN JACINTO S D	SPL0106	CR	HEMET MUNI	33 39.9	66.0	8.0	112.0	132.0	14.0	0.0	0.0	0.0
***** L E G E N D *****														

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(3) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
 (3) - U=UNINSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

P R E L I M I N A R Y E S T I M A T E S
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	PRCJA PURP (2)	OWNER	LATITUDE (DM.M)	LONGITUDE (SU MI)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLW (CFS)	NET HEAD (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE CAPACITY (MH) (3)	ENERGY (GWH) (3)
COUNTY NAME: RIVERSIDE												
RAILROAD CANYON												
	CA00765	SAN JACINTO R	S I	TENESCAL	33 40.5	718.0	6.0	71.0	84.0	12.0	0.0	0.0
	SPL0107		ER CC		117 16.3						.29	.3
VAIL												
	CA00770	TEMECULA CR	S D	RANCHO CALIF	33 29.7	319.0	10.0	122.0	143.0	51.0	0.0	0.0
	SPL0108		OR NIA		116 58.6						.10	.2
COUNTY NAME: SACRAMENTO												
COUNTY LINE												
	CA00095	DEER CREEK			38 34.5	35.0	46.0	59.0	60.0	40.0	0.0	0.0
	SPK0367				121 2.0						1.74	1.4
HUTSON SCHOOL												
	CA00154	DURY CREEK			38 15.5	304.0	176.0	59.0	73.0	0.0	0.0	0.0
	SPK0368				121 9.2						2.12	3.7
VINEYARD												
	CA00095	MORRISON CREEK			38 28.0	23.0	30.0	27.0	38.0	11.0	0.0	0.0
	SPK0369				121 18.0						.52	.4
RANCHO SECH												
	CA00625	TR MADSELVILLE C+S H		SACKAMENTO M	38 20.1	2.0	5.0	43.0	50.0	3.0	0.0	0.0
	SPK0370			UD	121 6.0						.08	.1
FOLSOM LAKE												
	CA10148	AMERICAN RIVER		ISHCM+DDI USRR	38 42.5	1875.0	3779.0	300.0	275.0	1120.0	198.72	702.7
	SPK0371			RJ	121 9.4						0.0	0.0
MIRBUS (LAKE NAT) AMERICAN RIVER												
	CA10174	AMERICAN RIVER		DDI USRR	38 37.8	51.0	89.0	39.0	47.0	10.0	13.50	91.1
	SPK0372				121 13.4						0.0	0.0
COUNTY NAME: SAN BENITO												
HERNANDEZ												
	CA00648	SAN BENITO R		SAN BENITO C	36 23.7	85.0	10.0	89.0	120.0	28.0	0.0	0.0
	SPL0109			TY FC+CD	120 50.1						.07	.1

L E G E N D

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P R E L I M I N A R Y E S T I M A T E S
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 NUMBER (2)	PURP (2)	OWNER	LATITUDE (DM.4)	LONGITUDE (DM.4)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	NET HEIGHT OF POWER HEAD (FT)	MAXIMUM STORAGE CAPACITY (1000 M3)	ENERGY CAPACITY (GWH)	ENERGY (3)
***** COUNTY NAME: SAN BERNARDINO *****													
***** FERC POWER SUPPLY AREA 47 *****													
***** FERC REGIONAL OFFICE CODE SF *****													
LAKE SILVERWOOD	CA00009	FK MUJAVE RIVER	R	S	S	32 18.4	117 16.7	34.0	6	179	213	75	0
CEDARS SPRINGS	SPL0110				ACK RES								
COPPER BASIN	CA00214	COPPER BASIN	S	S	METROPOLITAN	34 16.7	114 13.8	8.0	1700	147	180	24	0
(BIG BEAR LAKE)	CA00757	BEAR CR	R	S	BEAR VAL MUT	34 14.5	116 58.6	38.0	30	45	53	72	0
BEAR VALLEY	SPL0112				WATER DIST								
LAKE ARROWHEAD	CA00759	LITTLE BEAR CR	R	I	LAKE ARROWHEAD	34 15.7	117 10.0	7.0	3	154	181	48	0
	SPL0113				LAND CORP								
***** COUNTY NAME: SAN DIEGO *****													
***** FERC POWER SUPPLY AREA 47 *****													
***** FERC REGIONAL OFFICE CODE SF *****													
BARRETT	CA00106	COTTONWOOD CREEK	S	S	CITY OF SAN DIEGO	32 40.7	116 40.2	249.0	13	128	151	45	0
	SPL0114												
LAKE HODGES	CA00108	SAN DIEGO RIVER	S	S	CITY OF SAN DIEGO	33 2.7	117 7.7	303.0	16	95	116	34	0
	SPL0115												
LOWER OTAY RESE	CA00109	OTAY RIVER	S	S	CITY OF SAN DIEGO	32 56.6	116 55.6	99.0	17	117	138	56	0
VOIR SAVAGE	SPL0116												
MORENA	CA00110	COTTONWOOD CREEK	S	S	CITY OF SAN DIEGO	32 41.1	116 33.0	114.0	3	142	167	50	0
	SPL0117												
EL CAPITAN	CA00111	SAN DIEGO RIVER	S	S	CITY OF SAN DIEGO	32 53.0	116 48.6	190.0	11	167	197	116	0
	SPL0118												
SAN VICENTE	CA00113	SAN VICENTE CR	S	S	CITY OF SAN DIEGO	32 54.7	116 55.5	75.0	13	182	190	90	0
	SPL0119												
HENSHAW	CA00283	SAN LUIS REY RIVER	S	I	AVISTA INC	33 14.4	116 45.7	205.0	30	94	110	204	0
	SPL0120				ST								

L E G E N D

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- (3) - ESTABLISHED CAPACITY AND ENERGY: N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
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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	IDNT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ NUMBER (2)	PUMP OWNER	LATITUDE (DN,M)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CF9)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (MH)	ENERGY CAPACITY (3)
SHEETWATER(RESERVOIR)	CA00775	SHEETWATER R	32 41.5	AMERICAN WATER CO	182.0	11.0	84.0	99.0	28.0	0.0
LAKE LOVELAND	CA00776	SHEETWATER R	32 46.9	AMERICAN WATER CO	98.0	15.0	166.0	195.0	28.0	0.0
COUNTY NAMES SAN JOAQUIN										
CAMANACHE RESERVOIR	CA00173	MCKELUMNE RIVER	38 13.5	EAST BAY M DIST	621.0	832.0	107.0	145.0	432.0	0.0
WOODBRIDGE DAM	CA00285	MCKELUMNE RIVER	38 9.4	WOODBRIDGE RR DIST	661.0	1111.0	9.0	10.0	2.0	0.0
FARMINGTON DAM	CA10104	ROCK AND LITTLEJAC CREEKS	37 54.4	DAEN SPK	212.0	122.0	39.0	53.0	120.0	0.0
COUNTY NAMES SAN LUIS OBISPO										
NACIMIENTO	CA00327	NACIMIENTO RIVER	35 45.6	MUNTEREY COUNTY	324.0	92.0	137.0	185.0	350.0	0.0
SALINAS	CA00331	SALINAS	35 18.0	CORPS	113.0	20.0	111.0	130.0	26.0	0.0
WHALE ROCK	CA00029	OLD CREEK	35 26.9	CAL DEPT OF FINANCE	20.0	11.0	150.0	176.0	40.0	0.0
NACIMIENTO	CA00812	NACIMIENTO R	35 45.5	MUNTEREY COUNTY	324.0	200.0	157.0	185.0	350.0	0.0
LOPEZ	CA00887	GRANDE CRAS D	35 11.3	SAN LUIS OBISPO COUNTY	68.0	19.0	128.0	150.0	51.0	0.0

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L E G E N D

P R E L I M I N A R Y E S T I M A T E S
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 #	NAME OF STREAM	CR RIVER	PROJ#	OWNER	LATITUDE	DRAINAGE AREA	AVERAGE ANNUAL INFLW	NET HEAD	HEIGHT	MAXIMUM STORAGE	CAPACITY	ENERGY
	(1)			(2)		(SQ MI)	(1000)	(CFS)	(FT)	(FT)	(1000)	(MWH)	(3)
COUNTY NAME: SAN LUIS OBISPO													
SALINAS RESERVOIR UPPER SALINAS	CA10026	SALINAS RIVER		S	SAN LUIS OBISPO COUNTY	35 20.2	112.0	20.0	95.0	128.0	43.0	0.0	0.0
SALINAS (RESERVOIR) DAM	CA10202	SALINAS RIVER		S	CORPUS OF ENGINEERS	35 20.0	111.0	20.0	78.0	106.0	50.0	0.0	0.0
COUNTY NAME: SAN MATEO													
PESCADERO	CA00031	PESCADERO CR		S	SAN FRANCISCO COUNTY	37 39.2	25.0	6.0	111.0	131.0	54.0	0.0	0.0
CRYSTAL SPRING ESERVOIR	CA00127	SAN MATEO CREEK		S	SAN FRANCISCO COUNTY	37 39.2	25.0	6.0	111.0	131.0	54.0	0.0	0.0
PILARCITOS LAKE	CA00128	PILARCITOS CREEKS		S	SAN FRANCISCO COUNTY	37 32.9	4.0	6.0	82.0	97.0	3.0	0.0	0.0
SAN ANDREAS LAKE	CA00129	SAN ANDREAS CREEKS		S	SAN FRANCISCO COUNTY	37 34.8	4.0	6.0	82.0	97.0	19.0	0.0	0.0
COUNTY NAME: SANTA BARBARA													
GIBRALTER	CA00138	SANTA YNEZ RIVER		S	CITY OF SANTA BARBARA	34 31.6	216.0	62.0	121.0	142.0	15.0	0.0	0.0
JAMESON LAKE	CA00211	SANTA YNEZ RIVER		S	MUNTECITO COMMUNITY	34 39.5	14.0	6.0	114.0	134.0	6.0	0.0	0.0
ALISAL CREEK	CA00731	ALISAL CR		S	SANTA BARBARA COUNTY	34 32.8	8.0	6.0	66.0	78.0	2.0	0.0	0.0
LAKE CACHUMA	CA10136	SANTA YNEZ RIVER		S	USBR	34 35.0	417.0	72.0	162.0	201.0	240.0	0.0	0.0
DBURY	SPL1408					34 35.0	417.0	72.0	162.0	201.0	240.0	0.0	0.0

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D=DEDEHRIS CONTROL, P=PEAK FLOW, O=OTHER
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P R E L I M I N A R Y E S T I M A T E S
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	NAME OF STREAM OR RIVER	PURPOSE (1)	DAMNER	LATITUDE (DM,M)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	AVERAGE NET HEIGHT	MAXIMUM DAM HEAD (FT)	STORAGE CAPACITY (MM)	ENERGY (GWH)	
COUNTY NAME: SANTA CLARA												
COVOTE RESERVIOR	CA00287	COVOTE CREEK	I	SANTA CLARA	37 9.1	116.0	44	97	114	25	0	
	SPN0034			COUNTY FCMD	121 32.9					.75	1.6	
CALERO RESERVIOR	CA00288	CALERO CREEK	I	SANTA CLARA	37 11.0	7.0	7	71	89	9	0	
	SPN0035			COUNTY FCMD	121 47.5					.19	.2	
ALMADEN RESERVIOR	CA00289	ALMADEN CREEK	I	SANTA CLARA	37 9.9	13.0	15	87	102	2	0	
	SPN0036			COUNTY FCMD	121 49.7					.43	.5	
GUADALUPE RESERVIOR	CA00290	GUADALUPE CREEK	I	SANTA CLARA	37 11.9	6.0	6	112	132	3	0	
	SPN0037			COUNTY FCMD	121 52.7					.26	.3	
STEVEN CREEK RESERVIOR	CA00292	STEVENS CREEK	I	SANTA CLARA	37 17.9	18.0	13	95	112	4	0	
	SPN0038			COUNTY FCMD	122 4.6					.65	.8	
LEXINGTON RESERVIOR	CA00293	LDS GATOS CREEK	I	SANTA CLARA	37 12.1	38.0	45	174	205	21	0	
	SPN0039			COUNTY FCMD	121 59.3					1.38	1.2	
RELOY ANDERSON LAKE	CA00294	COVOTE CREEK	I	SANTA CLARA	37 10.0	193.0	45	200	235	91	0	
	SPN0040			COUNTY FCMD	121 37.7					2.58	5.5	
COUNTY NAME: SANTA CRUZ												
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF												
SORQUEL	CA00300	SORQUEL CREEK			37 .2	32.0	36	174	235	71	0	
	SPN0041				122 54.0					1.13	1.0	
COUNTY NAME: SHASTA												
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF												
BATTLE CREEK RESERVIOR	CA00051	BATTLE CREEK			40 25.2	332.0	511	169	259	45	0	
	SPK0376				122 1.6					23.42	58.7	
BELLA VISTA	CA00054	LITTLE COH CREEK	OHC		40 36.1	120.0	147	125	162	400	0	
	SPK0377				122 13.6					3.18	9.4	

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(07/09/79)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT	NAME OF STREAM	PROJ#	DRAINAGE AREA	LONGITUDE	LAITUDE	AVERAGE ANNUAL INFLW	NET POWER	HEIGHT	STORAGE	CAPACITY	ENERGY
	NUMBER	OR RIVER	PURP	(SQ MI)	(DM,N)	(DM,N)	(CFS)	OF HEAD	OF DAM	(1000	(MW)	(GWH)
	(1)		(2)					(FT)	(FT)	AC FT)	(3)	(3)
COUNTY NAME: SHASTA												
BIG SPRINGS NO 3	CAU0057	MCCLLOUD RIVER		369.0	41 11.0	122 4.0	959.0	297.0	0.0	0.0	0.0	0.0
	SPK0378											39.14
BURNEY	CAU0068	BURNEY CRK	I	95.0	40 47.0	121 44.0	83.0	74.0	100.0	5.0	0.0	0.0
	SPK0379											.81
CHONTON TUBAS	CAU0082	MCCLLOUD RIVER		604.0	41 1.5	122 12.5	1570.0	258.0	0.0	52.0	0.0	0.0
	SPK0380											55.65
CLOVER	CAU0086	CLOVER CREEK		2.0	40 34.0	122 7.5	6.0	69.0	93.0	100.0	0.0	0.0
	SPK0381											.05
DUTCH GULCH RESE	CAU0113	COTTONWOOD CREEK	CS140	395.0	40 22.8	122 29.5	453.0	189.0	245.0	1100.0	0.0	0.0
RVOIR	SPK0382											45.83
FALL RIVER MILLS	CAU0121	PIT RIVER		2754.0	41 1.0	120 26.0	477.0	84.0	113.0	175.0	0.0	0.0
	SPK0383											3.52
FIDDLERS LAKE	CAU0122	MIDDLE FORK COTT	C1M	222.0	40 19.9	122 39.6	331.0	243.0	300.0	310.0	0.0	0.0
	SPK0384	UNWOOD CREEK										26.72
GAS POINT (M-5)	CAU0135	NORTH FORK COTTO		388.0	40 22.8	122 30.9	703.0	149.0	202.0	490.0	0.0	0.0
	SPK0385	WOOD CREEK										35.49
GIRVAN RESERVOIR	CAU0137	CLEAR CRK		238.0	40 31.0	122 23.5	335.0	52.0	70.0	26.0	0.0	0.0
COTTONWOOD PWR	SPK0386											1.56
HULEN LAKE	CAU0150	NORTH FORK COTTO	C1M	86.0	40 27.1	122 33.4	106.0	164.0	222.0	331.0	0.0	0.0
	SPK0387	WOOD CREEK										3.15
KANAKA	CAU0170	CLEAR CRK		228.0	40 32.0	122 31.5	321.0	340.0	460.0	415.0	0.0	0.0
	SPK0388											37.94
LOWER COTTONWOOD	CAU0192	COTTONWOOD CREEK		877.0	40 22.4	122 18.6	815.0	171.0	231.0	3540.0	0.0	0.0
(M-1)	SPK0389	MAIN STEM										48.38

LEGEND

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- (3) - ESTIMATED POTENTIAL CAPACITY AND ENERGY INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (4) - UNINSTALLED POTENTIAL CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	IDEN#	NAME OF STREAM OR RIVER	PROJ#	DRAINAGE AREA (SQ MI)	LONGITUDE (DM-M)	AVERAGE ANNUAL INFLOW (CFS)	NET HEIGHT OF POWER HEAD (FT)	MAXIMUM STORAGE (1000 MW)	CAPACITY (3)	ENERGY (3)
M-2	CAU0193	NORTH FORK COTTO		470.0	40 22.4	851.	159.	1625.	0.	0.
	SPK0390	NWOOD CREEK			122 24.2				45.7	89.8
MID-1	CAU0204	MIDDLE FORK COTT		247.0	40 22.9	130.	140.	223.	0.	0.
	SPK0391	NWOOD CREEK			120 32.9				2.01	7.7
MILLVILLE LAKE	CAU0211	SOUTH COW CREEK		85.0	40 32.8	104.	141.	160.	0.	0.
	SPK0392				122 6.5				2.97	7.8
MILLVILLITO	CAU0212	SOUTH COW CREEK		163.0	40 32.4	251.	183.	150.	0.	0.
	SPK0393				122 7.8				4.20	20.4
DAK RUN DIVERSION	CAU0224	OAK RUN		11.0	40 1.0	14.	59.	5.	0.	0.
	SPK0394				122 2.5				0.	0.
OLD COW	CAU0227	OLD COW CRK		75.0	40 34.0	92.	107.	18.	0.	0.
	SPK0395				122 5.5				2.90	5.8
PALO CEDRO RESERVOIR	CAU0234	COW CREEK		433.0	40 28.3	589.	64.	160.	0.	0.
	SPK0396				122 13.7				4.71	23.6
PIT NO.2	CAU0245	PIT RIVER		4150.0	41 0.	1541.	103.	0.	0.	0.
	SPK0397				121 34.0				34.69	106.8
SAELTZER LAKE	CAU0242	CLEAR CREEK		231.0	40 35.0	325.	178.	200.	0.	0.
	SPK0398				122 31.1				20.18	33.2
SALZMAN (M-3)	CAU0266	NORTH FORK COTTO		431.0	40 22.6	780.	126.	620.	0.	0.
	SPK0399	NWOOD CREEK			122 24.6				33.18	65.0
SELVESTER	CAU0270	MF COTTONWOOD CR		30.0	40 24.0	33.	400.	322.	0.	0.
	SPK0400	EEK			122 45.5				2.97	6.1
SUGAR LOAF	CAU0291	HAT CREEK		155.0	40 44.0	135.	595.	0.	0.	0.
	SPK0401				121 26.0				10.67	58.2

L E G E N D

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(2) - PROJECT PURPOSES: I=IRRIGATION, H=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVICATIONAL, S=SEWER SUPPLY, R=RECREATION, D=DEBRIS CONTROL, P=PFARM 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)

P R E L I M I N A R Y E S T I M A T E S
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	IDNT	NAME OF STREAM	PROJ#	DRAINAGE	AVERAGE	NET	HEIGHT	MAXIMUM	CAPACITY	ENERGY
	NUMBER	CR RIVER	PURP	AREA	ANNUAL	POWER	OF	STORAGE		
	(1)		(2)	(SQ MI)	(CF8)	(FT)	DAM	(1000	(MWH)	(GWH)
						(FT)	(FT)	AC FT)	(3)	(3)
			OWNER	(DM.M)						
COUNTY NAME: SHASTA										
TOWERHOUSE	*CAU0303*	*CLEAR CREEK	*	*40 40.0	*180.0*	*253.*	*0.*	*468.*	*0.*	*0.*
	SPK0402			*122 38.0					*35.24*	*56.2
VACACILLA	*CAU0308*	*LITTLE COW CREEK	*	*40 38.5	*98.0*	*120.*	*143.*	*150.*	*0.*	*0.*
	SPK0403			*122 12.5					*2.95*	*7.3
WILLOW	*CAU0319*	*SOUJAN VALLEY CRK	*	*41 9.5	*42.0*	*82.*	*215.*	*250.*	*0.*	*0.*
	SPK0404			*122 10.0					*2.98*	*10.8
ANDERSON COTTONWOOD DIVERSION	*CA00226*	*SACRAMENTO RIVER	*I	*ANDERSON COT	*6468.0*	*6747.*	*14.*	*24.*	*0.*	*0.*
	*DA*SPK0405*			*TUNWOOD I O					*14.00*	*75.0
COLEMAN FOREBAY	*CA00392*	*TRI BATTLE CREEK	*H	*PACIFIC GAS	*332.0*	*540.*	*482.*	*0.*	*13.80*	*56.8
	SPK0406			*ELECT CO					*0.*	*0.*
MACUMBER LAKE	*CA00393*	*NORTH BATTLE CREEK	*H	*PACIFIC GAS	*25.0*	*180.*	*17.*	*0.*	*0.*	*0.*
	SPK0407			*ELECT CO					*.51*	*2.2
NORTH BATTLE CREEK	*CA00394*	*NORTH BATTLE CREEK	*H	*PACIFIC GAS	*40 36.2	*4.*	*34.*	*1.*	*0.*	*0.*
	SPK0408			*ELECT CO	*121 39.3				*.06*	*.1
LAKE BRITTON (PIT NO 3 DAM)	*PI*CA00395*	*PIT RIVER	*H	*PACIFIC GAS	*41 1.3	*2770.*	*315.*	*41.*	*80.19*	*385.4
	SPK0409			*ELECT CO	*121 40.5				*0.*	*0.*
PIT FOUR RESERVOIR	*CA00397*	*PIT RIVER	*H	*PACIFIC GAS	*40 59.3	*2797.*	*382.*	*2.*	*90.00*	*422.2
	SPK0410			*ELECT CO	*121 46.1				*0.*	*0.*
TUNNEL RESERVOIR (PIT NO. 5 FOREBAY)	*CA00403*	*SUGAR PINE CREEK	*H	*PACIFIC GAS	*40 59.9	*2797.*	*615.*	*1.*	*140.56*	*836.0
	SPK0411			*ELECT CO	*121 53.5				*0.*	*0.*
HAT CREEK NO 2 DIVERSION	*CA00404*	*HAT CREEK	*H	*PACIFIC GAS	*40 57.0	*140.*	*217.*	*1.*	*10.00*	*39.3
	SPK0412			*AND ELECT.	*121 32.7				*0.*	*0.*
PIT NO 1 FOREBAY	*CA00405*	*FALL RIVER	*H	*PACIFIC GAS	*41 .5	*1758.*	*454.*	*3.*	*56.00*	*264.1
	SPK0413			*ELECT CO	*121 26.8				*53.60*	*311.9

L E G E N D

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- (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
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	NAME OF STREAM OR RIVER	PURP (1)	OWNER	LATITUDE (DM,N)	LONGITUDE (DM,W)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	AVERAGE ANNUAL POWER (KW)	NET HEAD (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 AC FT)	MAXIMUM ENERGY (GWH) (3)
COUNTY NAME: SHASTA													
PIT NO 6 RESERVOIR	CA000414	PIT RIVER	MS	PACIFIC GAS ELECT CO	40 55.4	121 59.6	5451.0	5000.0	155.0	128.0	16.0	79.20	335.0
IR	SPK0414												
PIT NO 7 RESERVOIR	CA000415	PIT RIVER	H	PACIFIC GAS ELECT CO	40 50.8	121 59.4	5601.0	5590.0	205.0	186.0	34.0	104.40	495.0
IR	SPK0415												
LAKE MCCLLOUD	CA000416	MCCLLOUD RIVER	H	PACIFIC GAS ELECT CO	41 7.9	122 4.2	420.0	1020.0	168.0	198.0	35.0	0.0	0.0
IR	SPK0416												
IRON CANYON RESERVOIR	CA000417	CEDAR SALT LUG CREEK	H	PACIFIC GAS ELECT CO	41 2.5	121 59.1	431.0	1089.0	1226.0	200.0	24.0	154.80	540.0
IR	SPK0417												
PIT NO 5 DIVERSION	CA000422	PIT RIVER	H	PACIFIC GAS ELECT CO	40 59.4	121 52.2	4711.0	2797.0	13.0	15.0	0.0	0.0	0.0
ON	SPK0418												
MISSSELBECK DAM	CA01027	N. FK COTTONWOOD CREEK	I	CHARLES TRISDALE NAT CO	40 30.0	122 41.8	12.0	16.0	84.0	99.0	5.0	0.0	0.0
IR	SPK0419												
HAYNES RESERVOIR	CA01030	ROOSE CREEK	I	GOOSE VALLEY MANCH INC	40 54.4	121 45.9	5.0	10.0	53.0	62.0	6.0	0.0	0.0
IR	SPK0420												
COM CREEK POWERHOUSE	CA08006	SOUTH COM CREEK	H	PACIFIC GAS ELECT CO	40 34.2	122 1.0	72.0	88.0	715.0	0.0	0.0	1.44	12.0
HOUSE	SPK0421												
KILARC POWERHOUSE	CA08011	N. FK. COM CREEK	H	PACIFIC GAS ELECT CO	40 40.2	121 51.7	29.0	209.0	1150.0	0.0	0.0	3.90	22.0
E	SPK0422												
VOLTA POWERHOUSE	CA08018	MILL SEAT CREEK	H	PACIFIC GAS ELECT CO	40 27.5	121 52.3	98.0	230.0	1254.0	0.0	0.0	6.40	39.6
IR	SPK0423												
KESWICK RESERVOIR	CA10160	SACRAMENTO RIVER	H	USBR	40 36.7	122 25.6	6704.0	8747.0	74.0	121.0	25.0	75.00	477.5
R	SPK0424												
SHASTA LAKE	CA10186	SACRAMENTO RIVER	H	USBR	40 43.1	122 25.2	6665.0	7683.0	330.0	526.0	4662.0	454.32	2021.6
IR	SPK0425												

L E G E N D

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DEPLETION CONTROL, FARM POND, DITCH
(3) - INSTALLED CAPACITY AND ENERGY, NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
= TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER	NAME OF STREAM	PROJ NUMBER	OWNER	LAITUDE (DM.W)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLUW (CFS)	NET HEIGHT OF POWER HEAD (FT)	MAXIMUM STORAGE DAM (AC FT)	CAPACITY (MW)	ENERGY (3)
COUNTY NAME: SHASTA											
SPRING CREEK RESERVOIR	CA10190	SPRING CREEK	001	USBR	40 37.8	15.5	2187	144	189	7.4E	150.00E 543.6
	SPK0426				122 28.6						0. 0. 0.
WHISKEYTOWN RESERVOIR	CA10204	CLEAR CREEK	001	USBR	40 35.9	201.0	86	225	263	276.4E	0. 0. 0.
	SPK0427				122 32.2						0. 3.00E 10.9
COUNTY NAME: SIERRA											
CLOVER VALLEY	CA00090	SMITHNECK CRK			39 36.5	16.0	36	65	88	6.5U	0. 0. 0.
	SPK0428				120 13.0						0.5E 1.6
GODDYEARS BAR	CA00140	N FK YUBA RIVER			39 30.0	239.0	711	264	0	57.0U	0. 0. 0.
	SPK0429				120 52.0						52.62E 126.6
INDIAN VALLEY	CA00157	N FK YUBA RIVER			39 31.0	304.0	904	430	0	180.0U	0. 0. 0.
	SPK0430				121 1.0						109.01E 262.3
RANDOLPH	CA00255	COLD STREAM			39 33.5	22.0	50	157	0	21.0U	0. 0. 0.
	SPK0431				120 21.0						2.68E 5.1
SHEEP CAMP	CA00272	CARMEN CRK	IR		39 42.0	89.0	100	61	72	65.0U	0. 0. 0.
	SPK0432				120 30.0						2.12E 1.9
INDEPENDENCE LAKE	CA000450	INDEPENDENCE CREEK	9	SIERRA-PACIFIC	39 27.1	6.0	32	21	25	19.4E	0. 0. 0.
	SPK0433	LAKE		IC POWER CO	120 17.4						0.14E 0.3
STAMPEDE RESERVOIR	CA10192	LITTLE TRUCKEE RIVER	RCRM	001	39 28.0	130.0	178	183	225	280.4E	0. 0. 0.
	SPK0434	RIVER			120 6.2						3.05E 12.6
COUNTY NAME: SISKIYOU											
UPPERFALLS	CA00307	MCCLOUD RIVER			41 14.0	264.0	666	450	0	100.0U	0. 0. 0.
	SPK0435				122 2.0						42.83E 223.0

LEGEND

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- (3) - E=INSTALLED CAPACITY AND ENERGY, N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (5) - U=UNINSTALLED CAPACITY AND ENERGY, T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	IDNT * NUMBER * (1) *	NAME OF STREAM OR RIVER *	PROJ * PUMP * (2) *	OWNER	LATITUDE * (DM,M) *	LONGITUDE * (SU MI) *	DRAINAGE AREA * (SQ MI) *	AVERAGE ANNUAL * INFLOW * (CF8) *	NET * POWER * OF * HEAD * (FT) *	MAXIMUM CAPACITY * (1000 GPM) * (3) *	ENERGY (MWH) (3) *
COUNTY NAME: SONOMA											
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF											
KNIGHTS VALLEY	CAU0024	MAACAMA CREEK			38 3.8	122 4.5	59.0	110.	149.	223.	0. 2.09
	SPN0042										0. 2.09
BIG SULPHUR	CAU0025	RIG SULPHUR CREEK			38 4.9	122 5.9	62.0	192.	353.	252.	0. 0.
	SPN0043										0. 8.52
WARM SPRINGS DAM	CAU0332	DURY CREEK	CR	CURPS	38 42.0	123 0.	11.0	212.	203.	381.	0. 0.
	SPN0044										0. 1.59
COUNTY NAME: STANISLAUS											
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF											
EUGENE	CAU0118	LITTLE JOHNS CRE			37 53.8	120 48.7	1019.0	1634.	21.	0.	0. 3.59
	SPK0436	TEK									0. 17.1
KNIGHTS FERRY	CAU0177	STANISLAUS RIVER	I		37 50.0	120 38.8	986.0	1327.	121.	15.	0. 0.
	SPK0437										0. 55.45
WOODWARD RESERVOIR	CAU0276	SIMMONS CREEK (D)	I	SOUTH SAN JO	37 51.7	120 52.6	12.0	430.	51.	35.	0. 0.
	SPK0438	FFSTREAM)		AUJIN I D							0. 3.00
LA GRANGE RESERVOIR	CAU0278	TUOLUMNE RIVER	I	STURLOCK AND	37 40.3	120 26.6	1538.0	446.	111.	1.	3.90
	SPK0439			MODESTO I D							0. 0.
COUNTY NAME: TEMAHA											
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF											
A-2	CAU0033	SOUTH FORK COTTOC			40 19.0	122 26.9	341.0	518.	167.	920.	0. 0.
	SPK0440	WOOD CREEK									0. 11.27
ANTELOPE BASIN	CAU0041	ANTELOPE, SALT, LI			40 12.0	122 11.0	48.0	111.	1150.	37.	0. 0.
	SPK0441	TITLE ANTELOPE									0. 23.03
BELLE-MILL	CAU0055	ANTELOPE CREEK			40 10.9	122 7.6	123.0	285.	29.	45.	0. 0.
	SPK0442										0. 1.21

L E G E N D

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 - (3) - INSTALLED CAPACITY AND ENERGY
 - (3) - UNINSTALLED CAPACITY AND ENERGY
- TOTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

P R E L I M I N A R Y E S T I M A T E S
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 CR RIVER	PURPOSE (2)	OWNER	LATITUDE (DM.M)	LONGITUDE (SD MI)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 MW)	ENERGY CAPACITY (3)
CROWN	CAU0099	DEER CREEK	CIR		39 9.0	121 58.5	52.0	106.0	48.0	11.0	0.0
	SPK0443										1.69E+7 2.8
DEER NO. 1	CAU0101	DEER CRK			40 9.0	121 39.0	79.0	183.0	1618.0	185.0	0.0
	SPK0444										55.48E+7 185.0
DEER CREEK NO 2	CAU0102	DEER CRK			40 4.0	121 49.0	126.0	194.0	828.0	0.0	0.0
	SPK0445										43.49E+7 101.5
DEER CRK NO 3	CAU0103	DEER CRK			40 1.0	121 54.0	147.0	226.0	1070.0	0.0	0.0
	SPK0446										65.57E+7 153.1
DEER CRK NO 4	CAU0104	ARRUSH CRK			39 59.0	121 57.0	184.0	283.0	198.0	0.0	0.0
	SPK0447										15.19E+7 35.5
DEER CREEK MEADOWS RESERVOIR	CAU0106	DEER CREEK			40 16.0	121 26.4	50.0	306.0	837.0	170.0	0.0
	SPK0448										69.43E+7 162.1
DEHAVEN	CAU0107	LITTLE ANTELOPE CRK			40 13.0	122 5.0	123.0	285.0	111.0	150.0	0.0
	SPK0449										4.20E+7 18.3
DIPPINGVAT LAKE	CAU0110	SOUTH FORK COTTO CREEK	CIR		40 39.7	122 34.9	132.0	186.0	220.0	297.0	0.0
	SPK0450										14.10E+7 23.4
GALATIN	CAU0132	ELDER CREEK			40 1.6	122 30.5	93.0	104.0	234.0	317.0	0.0
	SPK0451										7.25E+7 16.8
HUNTER LAKE	CAU0153	SOUTH FORK COTTO CREEK			40 12.8	122 32.0	211.0	315.0	107.0	145.0	0.0
	SPK0452										5.58E+7 15.7
IRON CANYON	CAU0161	SACRAMENTO RIVER			40 14.0	122 21.0	9625.0	12383.0	122.0	156.0	0.0
	SPK0453										277.84E+7 938.9
MORGAN SPRINGS DIVDAM	CAU0214	MILLCREEK			40 21.5	122 30.0	3.0	4.0	67.0	90.0	0.0
	SPK0454										8.0E+7 12.0

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- (3) = INSTALLED CAPACITY AND ENERGY (FOR EXISTING DAMS) / NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED DAMS) / INSTALLED CAPACITY AND ENERGY (FOR UNDEVELOPED DAMS) / TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED DAMS)

P R E L I M I N A R Y E S T I M A T E S
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	IDNT * NUMBER (1)	NAME OF STREAM CR RIVER	PROJ * PURP (2)	OWNER	LATITUDE LONGITUDE (DP,MM)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFD)	NET POWER HEAD (FT)	MAXIMUM STORAGE CAPACITY (1000 AC FT)	ENERGY (MWH) (3)
***** COUNTY NAME: TEHAMA *****										
***** FERC POWER SUPPLY AREA 46 *****										
***** FERC REGIONAL OFFICE CODE SF *****										
PAIN DAM	*CAU0233*	*PAYNES CREEK	*FR	*	*40 0	*92.0*	*213.*	*38.*	*12.*	*0.*
	SPK0455				*122 0.				*1.24*	*4.9
PAPE DAM	*CAU0235*	*MILL CREEK	*	*	*40 9.5	*88.0*	*204.*	*252.*	*200.*	*0.*
	SPK0456				*121 48.8				*6.68*	*29.5
PASKENTA	*CAU0236*	*THOMES CREEK	*	*	*39 52.4	*185.0*	*276.*	*186.*	*400.*	*0.*
	SPK0457				*122 34.7				*17.12*	*30.7
PASKENTA	*CAU0239*	*THOMES CRK	*SIUCR	*	*39 52.5	*194.0*	*248.*	*172.*	*130.*	*0.*
	SPK0458				*122 33.0				*16.58*	*29.7
ROSEWOOD LAKE	*CAU0258*	*DRY CREEK	*OI	*	*40 16.5	*127.0*	*80.*	*118.*	*300.*	*0.*
	SPK0459				*122 33.1				*4.36*	*11.1
S-1	*CAU0261*	*SOUTH FORK COTTO	*	*	*40 20.9	*403.0*	*548.*	*129.*	*575.*	*0.*
	SPK0460	*WOOD CREEK			*122 21.7				*6.65*	*43.9
SCHOENFIELD	*CAU0268*	*DEER BANK CREEK	*	*	*40 6.4	*49.0*	*114.*	*247.*	*150.*	*0.*
	SPK0461				*122 32.7				*3.79*	*16.3
TEHAMA RESERVOIR	*CAU0298*	*SOUTH FORK COTTO	*CSIR	*	*40 19.8	*382.0*	*268.*	*164.*	*900.*	*0.*
	SPK0462	*WOOD CREEK			*122 26.0				*11.01*	*53.4
TOM HEAD LAKE	*CAU0302*	*SOUTH FORK COTTO	*	*	*40 10.5	*137.0*	*204.*	*142.*	*50.*	*0.*
	SPK0463	*WOOD CREEK			*122 33.4				*5.17*	*13.9
WING LAKE	*CAU0323*	*TINKS CREEK	*	*	*40 20.2	*27.0*	*55.*	*146.*	*250.*	*0.*
	SPK0464				*122 8.7				*2.66*	*4.4
INSKIP POWERHOUSE	*CA06014*	*SOUTH FORK BATTLE	*PACIFIC GAS	*	*40 24.1	*292.0*	*450.*	*378.*	*0.*	*6.00*
E	*SPK0465*	*E CREEK	*AND ELECT.	*	*121 58.6				*AN	*40.01*
BLACK BUTTE LAKE	*CA10102*	*STONEY CREEK	*CIR	*	*39 49.1	*736.0*	*109.*	*99.*	*370.*	*0.*
	SPK0466				*122 20.2				*8.71*	*13.9
***** L E G E N D *****										

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(2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, SEWATER SUPPLY, RECREATION,
DEDEIRIS CONTROL, REFORM FUND, OTHER
(3) - * INSTALLED CAPACITY AND ENERGY NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
(3) - * INSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/09/79)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER	NAME OF STREAM	CR RIVER	PROJ. PURP. (2)	DOWNER	LATITUDE	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	AVERAGE ANNUAL POWER	NET HEIGHT OF DAM	MAXIMUM STORAGE CAPACITY (1000 GWH)	ENERGY (3)
	(1)					(DN, N)		(CFS)	(FT)	(FT)	(AC FT)	(3)
COUNTY NAME: YUBA												
RED BLUFF DIVERSION	CA10161	SACRAMENTO RIVER		USBR		40 13.0	281.0	8450	13	29	4	0.52
	SPK0467					122 10.8						2.5
COUNTY NAME: TRINITY												
OLD COW CREEK DIVERSION DAM	CAU0228	OLD COW CREEK				40 38.0	22.0	72	110	110	0	0.47
	SPK0468					123 15.5						4.2
CLAIR ENGLE LAKE TRINITY	CA10196	TRINITY RIVER		USBR		40 48.1	668.0	1640	345	458	2761	106.00
	SPN0045					122 45.7						409.0
COUNTY NAME: TULARE												
EAST FORK HUNGRY HOLLOW	CAU0115	EAST FORK KAMEAW RIVER				36 27.0	62.0	64	580	0	0	0.23
	SPK0469					118 47.0						13.01
JUNCTION (FAIRVIEW)	CAU0152	DEER CREEK				36 5	8.0	4	204	267	831	0.19
	SPK0470					118 56.6						0.5
LAMONT MEADOW	CAU0183	CHIMNEY CREEK				36 0	750.0	633	1040	0	190	0.46
	SPK0471					118 29.0						202.94
LITTLE KERN	CAU0187	MIDDLE FORK TULE RIVER				35 49.0	34.0	16	148	200	5	0.15
	SPK0472					118 3.0						1.03
MIDDLE FORK	CAU0207	MIDDLE FORK TULE RIVER				35 16.0	642.0	699	209	250	0	0.98
	SPK0473					118 31.5						48.45
	SPK0474					36 8.0	508.0	429	955	0	25	0.27
	SPK0475					118 27.0						126.22
	SPK0475					36 8.1	102.0	38	103	140	13	0.23
						118 46.8						1.45

LEGEND

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- (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)

P R E L I M I N A R Y E S T I M A T E S
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	AGENT	NAME OF STREAM	PROJ#	PURP#	OWNER	LATITUDE	DRAINAGE	AVERAGE	NET	HEIGHT	MAXIMUM	CAPACITY	ENERGY
	NUMBEN	OR RIVER	(2)			(DM,M)	(SQ MI)	(CFS)	POWER	OF	STORAGE	(MH)	(GWH)
	(1)								(FT)	(FT)	(AC FT)	(3)	(3)
COUNTY NAME	TULARE						FERC POWER SUPPLY AREA 47	FERC REGIONAL OFFICE CODE	47				SF
NORTH FORK	CAU0219	NORTH FORK TULE				36 10.3	80.0	30.	20.	20.	0.0	0.0	0.0
	SPK0476	RIVER				118 47.8							22.7
QUINCY SCHOOL	CAU0251	WHITE RIVER				35 49.0	98.9	37.	109.	109.	0.0	0.0	0.0
	SPK0477					118 57.4							1.48
ROCKHOUSE	CAU0257	SOUTH FORK KERN				35 49.0	423.0	87.	990.	150.	72.0	0.0	0.0
	SPK0478	RIVER				118 12.0							28.95
KAMEAH NO 2 POWERHOUSE	CA0808	MID FK KAMEAH RIVER				SOUTHERN CAL 39 29.4	166.0	99.	367.	0.	0.0	1.80	13.0
	SPK0479					IF. EDISON 118 50.5							19.42
KAMEAH NO. 1 POWERHOUSE	CA0808	EAST FORK KAMEAH RIVER				SOUTHERN CAL 39 27.7	86.0	95.	1326.	0.	0.0	2.25	16.0
	SPK0480					IF. EDISON 118 52.3							0.
KAMEAH NO. 3 POWERHOUSE	CA0809	MIDDLE FORK KAMEAH RIVER				SOUTHERN CAL 39 27.7	155.0	99.	775.	0.	0.0	2.80	25.0
	SPK0481					IF. EDISON C118 54.							0.
LOWER TULE HOUSE	CA0813	MIDDLE FORK TULE RIVER				SOUTHERN CAL 36 9.2	87.0	26.	1140.	0.	0.0	2.00	19.0
	SPK0482					IF. EDISON 118 47.3							0.
TULE RIVER HOUSE	CA0807	NORTH FORK OF TULE RIVER				PACIFIC GAS 39 9.9	35.0	26.	1532.	0.	0.0	4.80	26.5
	SPK0483	DOULE FORK TUL				AND ELEC. 118 43.2							0.
SUCCESS LAKE	CA10113	TULE RIVER				DAEN SPK 36 3.5	391.0	179.	102.	137.	202.	0.0	0.0
	SPK0484					118 55.1							4.22
LAKE KAMEAH INUS DAM	CA10114	KAMEAH RIVER				DAEN SPK 36 25.0	560.0	657.	174.	225.	266.	0.0	0.0
	SPK0485					119 .2							10.00
COUNTY NAME	TULARE						FERC POWER SUPPLY AREA 46	FERC REGIONAL OFFICE CODE	46				
BELL MEADOWS RESERVOIR	CAU0053	BELL CREEK				38 9.0	12.0	36.	55.	75.	12.0	0.0	0.0
	SPK0486					119 56.9							85.7

L E G E N D

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D=DEBRIS CONTROL, P=PAH POND, O=OTHER
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(4) - U=UNINSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

AD-A075 963

INSTITUTE FOR WATER RESOURCES (ARMY) FORT BELVOIR VA
NATIONAL HYDROELECTRIC POWER RESOURCES STUDY. PRELIMINARY INVEN--ETC(U)
JUL 79 W R SIGLEO , J R HANCHEY , D G NOLTON

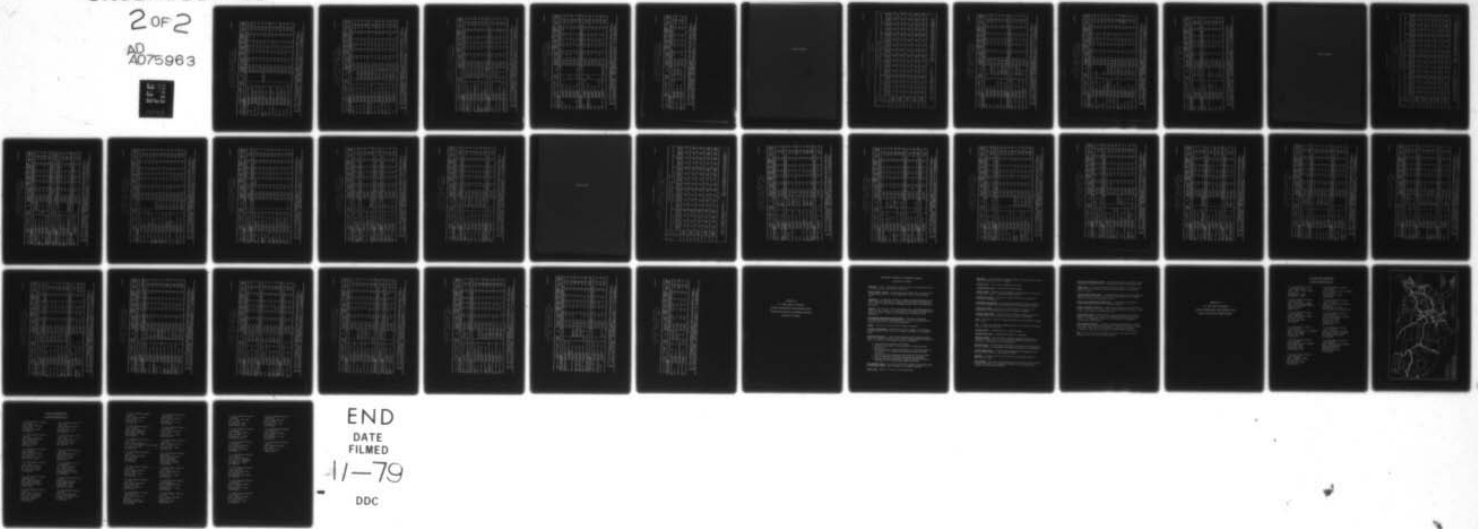
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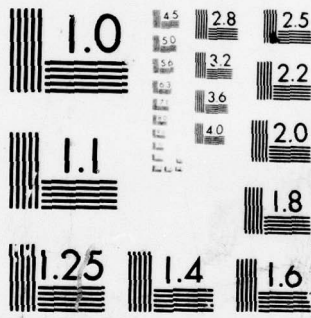
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

(07/09/79)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER	NAME OF STREAM	CR RIVER	PROJ#	PURP#	CHARR	LONGITUDE	AREA	DRAINAGE	AVERAGE ANNUAL INFLW	NET POWER	HEIGHT OF DAM	STORAGE CAPACITY	ENERGY
	(1)			(2)			(DM, M)	(SQ MI)	(CFS)	(FT)	(FT)	(AC FT)	(MWH)	(BWH)
COUNTY NAME	TUOLUMNE													
BIG HUMBUG CREEK	CAU0056	TUOLUMNE RIVER					37 23.0	1105.0	1772.0	233.0	0.0	80.0	0.0	0.0
	SPK0487						120 13.0						119.67	286.4
BIG TREES	CAU0058	NORTH FORK STANI					38 17.0	187.0	374.0	293.0	396.0	162.0	0.0	0.0
	SPK0488	SLAUS RIVER					120 14.7						41.05	72.1
BROWNS MEADOW	CAU0066	NORTH FORK TUOLU					38 7.2	11.0	29.0	222.0	222.0	77.0	0.0	0.0
	SPK0489	WINE RIVER					120 4.7						2.43	4.3
GANN'S POWERHOUSE	CAU0133	NORTH FORK STANI					38 24.5	49.0	43.0	1418.0	150.0	6.0	0.0	0.0
	SPK0490	SLAUS RIVER					120 4.7						20.25	39.4
HARDEN FLAT RESE	CAU0144	SOUTH FORK TUOLU					37 48.3	85.0	196.0	152.0	205.0	42.0	0.0	0.0
	SPK0491	WINE RIVER					119 57.4						2.97	11.2
INGALLS	CAU0159	CLAVEY RIVER					37 56.0	102.0	235.0	1700.0	0.0	65.0	0.0	0.0
	SPK0492						120 13.0						146.99	266.6
KENNEDY MEADOWS	CAU0176	MIDDLE FORK STAN					38 18.5	48.0	146.0	49.0	121.0	10.0	0.0	0.0
	SPK0493	SLAUS RIVER					119 45.0						3.44	7.5
LORDS RESERVOIR	CAU0190	MULL CREEK					38 3.4	10.0	30.0	96.0	130.0	10.0	0.0	0.0
	SPK0494						120 4.5						1.22	1.9
PAPER CARIN	CAU0236	NORTH FORK TUOLU					37 54.0	195.0	496.0	700.0	0.0	0.0	0.0	0.0
	SPK0495	WINE RIVER					120 14.0						130.24	228.9
SAND BAR	CAU0267	MIDDLE FORK STAN					38 11.0	311.0	665.0	391.0	0.0	177.0	0.0	0.0
	SPK0496	SLAUS RIVER					120 8.0						62.30	180.1
SOUTH FORK	CAU0280	SOUTH FORK TUOLU					37 49.0	108.0	249.0	824.0	0.0	0.0	0.0	0.0
	SPK0497	WINE RIVER					120 0.0						75.44	136.8
STONE MEADOW	CAU0290	UNNAMED TRIB TO					37 51.0	47.0	9.0	89.0	105.0	9.0	0.0	0.0
	SPK0498	WINE RIVER					119 51.1						3.39	7.4

LEGEND

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- (3) - INSTALLED CAPACITY AND ENERGY: NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (4) - UNINSTALLED CAPACITY AND ENERGY: TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	NAME OF STREAM	PROJ NUMBER	PURP (2)	OWNER	LATITUDE (DM,P)	LONGITUDE (S,M)	ORAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET WEIGHT OF DAM (FT)	MAXIMUM STORAGE CAPACITY (MHM)	ENERGY (3)
UPPER CLAVEY	CA00305	CLAVEY RIVER	SPK0499			37 59.0	120 3.0	135.0	311.	1935.	0.	0. #U 0.
EARLY IN TAKE	CA00120	TUOLUMNE RIVER	SPK0500	S	CITY COUNTY	37 52.5	119 57.3	488.0	311.	35.	41.	0. #E 0.
LAKE ELEANOR	CA00121	ELEANOR CREEK	SPK0501	S	CITY COUNTY	37 58.4	119 52.7	78.0	65.	48.	57.	0. #E 0.
MOCCASIN LOWER	CA00122	MOCCASIN CREEK	SPK0502	S	CITY COUNTY	37 48.7	120 10.3	26.0	79.	45.	53.	0. #E 0.
WETCH HETCHY RSV	CA00123	TUOLUMNE RIVER	SPK0503	S	CITY COUNTY	37 56.4	119 47.2	455.0	999.	1450.	296.	67.50 #E 622.0
PRIEST RESERVOIR	CA00124	RATTLESNAKE CREEK	SPK0504	S	CITY COUNTY	37 48.1	120 15.9	3.0	650.	139.	163.	0. #E 0.
CHERRY LAKE	CA00125	CHERRY CREEK	SPK0505	S	CITY COUNTY	37 58.5	119 54.5	193.0	670.	2481.	300.	135.00 #E 772.0
BEARDSLEY LAKE	CA00263	MID FK STANISLAU RIVER	SPK0506	I	DAKDALE S SA	38 12.2	120 4.5	316.0	635.	264.	240.	9.99 #E 51.5
DONNELLS RESERVOIR	CA00264	MID FK STANISLAU RIVER	SPK0507	I	DAKDALE S SA	38 19.8	119 57.7	224.0	240.	1484.	272.	54.00 #E 279.0
BEARDSLEY AFTERBAY	CA00266	MID FK STANISLAU RIVER	SPK0508	I	DAKDALE S SA	38 11.8	120 5.4	303.0	635.	28.	33.	0. #E 0.
NEW DON PEDRO	CA00281	TUOLUMNE RIVER	SPK0509	S	RODESTO I D	37 42.0	120 25.2	1546.0	1466.	530.	513.	2030. #E 136.52 #E 598.4
LYONS	CA00307	FK STANISLAU RIVER	SPK0510	I	PACIFIC GAS	36 5.6	120 10.1	67.0	129.	1190.	104.	6. #E 1.60 #E 10.0

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- (3) - ESTIMATED CAPACITY AND ENERGY: N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
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PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDNT * NUMBER * (1)	NAME OF STREAM * CR RIVER	PROJ * PURP * (2)	OWNER	LATITUDE * (DM,M)	LONGITUDE * (DM,M)	AREA * (SQ MI)	DRAINAGE * (CFS)	ANNUAL * INFLW * (CFS)	AVERAGE * NET * ANNUAL * POWER * (KW)	HEIGHT * OF * DAM * (FT)	STORAGE * CAPACITY * (GAL)	ENERGY * (KWH)
***** TUOLUMNE *****													
PINECREST LAKE	*CA00380S	*FM STANISLAUS	*M	*PACIFIC GAS	*38 12.0	*27.0	*100.0	*118.0	*139.0	*19.0E	*0.0E	*0.0E	*0.0E
STRAWBERRY LAKE	*SPK0511R	*RIVER	*M	*ELECT CO	*119 59.3	*27.0	*100.0	*118.0	*139.0	*19.0E	*0.0E	*2.090N	*5.9
RELIEF RESERVOIR	*CA00390R	*RELIEF CREEK	*M	*PACIFIC GAS	*38 16.8	*28.0	*136.0	*112.0	*132.0	*15.0E	*0.0E	*0.0E	*0.0E
	*SPK0512R			*ELECT CO	*119 43.9							*2.860N	*5.8
STANISLAUS FOKER	*CA00391R	*STANISLAUS RIV	*M	*PACIFIC GAS	*38 9.8	*380.0	*635.0	*1525.0	*56.0	*0.0E	*81.900E	*406.2	*0.0E
AY	*SPK0513R	*ID-FK(OFFSTR)		*ELECT CO	*120 21.2							*0.0E	*0.0E
SPICERS MEADOW	*CA00425R	*HIGHLAND CREEK	*M	*PACIFIC GAS	*38 23.6	*42.0	*125.0	*48.0	*56.0	*4.0E	*0.0E	*0.0E	*0.0E
ESERVOIR	*SPK0514R			*ELECT CO	*119 59.8							*1.910N	*3.6
SPRING GAP POWER	*CA00816R	*SOUTH FORK STANISLAUS	*M	*PACIFIC GAS	*38 11.3	*46.0	*86.0	*1065.0	*0.0E	*0.0E	*6.000E	*48.5	*0.0E
HOUSE	*SPK0515R			*AND ELECT.	*120 7.1							*0.0E	*0.0E
MCCASIN CREEK	*CA00825R	*HETCH-HETCHY AGUWH		*HETCH HETCHY	*37 48.0	*-0.0	*0.0	*1190.0	*-0.0E	*0.0E	*90.000E	*548.0	*0.0E
OVERHOUSE	*SPK0516R	*EDUCT		*WTR AND PWR	*120 18.7							*0.0E	*0.0E
***** VENTURA *****													
MATILILJA	*CA00312R	*MATILILJA CREEK	*I S	*VENTURA COUN	*34 29.1	*54.0	*28.0	*102.0	*120.0	*4.0E	*0.0E	*.720N	*1.0
	*SPL0132R			*TV FC DIST	*119 18.5								
SANTA FELICIA	*CA00805R	*PIRU CR	*S D	*UNLIMITED WATER	*34 27.7	*422.0	*55.0	*153.0	*180.0	*100.0E	*0.0E	*0.0E	*0.0E
	*SPL0133R			*CUNS DIST	*118 45.1							*2.280N	*3.2
(LAKE) CASITAS	*CA10139R	*COYOTE CREEK	*ISC	*DUJ USBR	*34 22.7	*39.0	*13.0	*227.0	*279.0	*287.0E	*0.0E	*0.0E	*0.0E
	*SPL0134R				*119 19.8							*1.210N	*1.7
LAKE CASITAS	*CA01040R	*COYOTE CREEK OFF	*ISC	*DUJ USBR	*34 24.2	*39.0	*20.0	*26.0	*32.0	*287.0E	*0.0E	*0.0E	*0.0E
ITAS SADDLE DIKE	*SPL0135R	*STREAM			*119 19.3							*.140N	*.2

LEGEND

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D=DEMERS CONTROL, P=PEAN POND, G=OTHER
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PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM CR RIVER	PROJ# PUMPS (2)	CHNR	LATITUDE (DM-N)	LONGITUDE (SU MI)	AREA (SQ MI)	INFLN (CFS)	HEAD (FT)	DAM (AC FT)	NET HEIGHT OF STORAGE	AVERAGE ANNUAL POWER (MW)	MAXIMUM CAPACITY ENERGY (3)
COUNTY NAME: YOLO													
BLUE RIDGE	*CAU0062*	*CACHE CREEK	*		*30 56.0*	*952.0*	*434.*	*444.*	*601.*	*1500.*	*0. #U 0.	*106.43*	*109.1
	SPK0517		*		*122 17.5*								
BROOKS	*CAU0065*	*CACHE CRK	*		*38 45.0*	*1044.0*	*476.*	*37.*	*50.*	*6.#U 0.	*0. #U 0.	*3.31*	*5.0
	SPK0518		*		*122 5.3*								
GUINDA	*CAU0143*	*CACHE CRK	*ICR		*38 50.5*	*992.0*	*630.*	*118.*	*160.*	*303.#U 0.	*0. #U 0.	*29.84*	*28.9
	SPK0519		*		*122 11.5*								
UAT	*CAU0225*	*DAT CRK	*		*38 49.5*	*26.0*	*14.*	*60.*	*71.*	*15.#U 0.	*0. #U 0.	*.34*	*.3
	SPK0520		*		*121 57.0*								
PUTAM DIVERSION	*CA1010*	*PUTAM CREEK	*ISRO	*DUI U88R	*38 30.0*	*574.0*	*514.*	*16.*	*16.*	*1.#E 0.	*0. #E 0.	*.64*	*2.2
	SPK0521		*		*122 .2*								
COUNTY NAME: YUBA													
***** FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 3F *****													
BANGOR	*CAU0050*	*NORTH HONCUT CRE*	*		*39 23.5*	*47.0*	*109.*	*39.*	*53.*	*5.#U 0.	*0. #U 0.	*1.28*	*2.4
	SPK0522	*EK	*		*121 28.0*								
MARYSVILLE LAKE (PARKS BAR SITE)	*CAU0198*	*YUBA RIVER	*HICND*		*39 13.3*	*1296.0*	*3138.*	*330.*	*358.*	*916.#U 0.	*0. #U 0.	*183.39*	*387.9
	SPK0523		*0		*121 19.7*								
NEW YORK	*CAU0218*	*NEW YORK	*		*39 28.5*	*11.0*	*20.*	*103.*	*140.*	*30.#U 0.	*0. #U 0.	*.90*	*1.2
	SPK0524		*		*121 15.0*								
WALDO	*CAU0312*	*DRY CRK	*		*39 7.0*	*70.0*	*107.*	*168.*	*227.*	*300.#U 0.	*0. #U 0.	*3.72*	*7.6
	SPK0525		*		*121 18.5*								
WAMBO	*CAU0314*	*FK, YUBA RIVER	*		*39 31.0*	*267.0*	*794.*	*645.*	*0.*	*0.#U 0.	*0. #U 0.	*143.61*	*345.5
	SPK0526		*		*121 6.0*								
VIRGINIA RANCH	*CA00442*	*FRENCH DRY CREEK	*SDIR	*BROWNS VALLE	*39 19.4*	*72.0*	*110.*	*117.*	*145.*	*66.#E 0.	*0. #E 0.	*2.99*	*5.7
	SPK0527		*	*Y IRR DIST	*121 18.7*								
***** FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 3F *****													
***** L E G E N D *****													

(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.
 (2) - PROJECT PURPOSES IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, SWATER SUPPLY, RECREATION,
 DERRIS CONTROL, PFARM POND, 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)

(07/09/79)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LONGITUDE (DN,M)	AREA (SQ MI)	CHNR	AVG ANNUAL INFLOW (CFS)	NET POWER OF HEAD (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (MM)	ENERGY (3)
NEW BULLARDS HAR	CA00863	NORTH YUBA RIVER	D	YUBA CTY	39 23.6	489.0		398.0	1390.0	572.0	289.40	2160.0
LAKE FRANCIS	CA00866	DORRINS CR	S	YUBA CTY	39 21.6	7.0		16.0	60.0	70.0	2.0	0.0
HARRY L ENGLEBRT	CA10105	YUBA RIVER	HCI	DAEN SPK	39 14.3	1110.0		2576.0	236.0	260.0	70.0	56.10
GHT LAKE	SPK0530				121 16.0							

LATITUDE * DRAINAGE * AVERAGE * NET * HEIGHT * MAXIMUM *
LONGITUDE * AREA * ANNUAL * POWER * OF * STORAGE * CAPACITY * ENERGY *
(DN,M) * (SQ MI) * (CFS) * (FT) * (FT) * (MM) * (3) *
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF

LEGEND

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- (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)

STATE OF HAWAII

... PRELIMINARY ESTIMATE ...

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

POTENTIAL INCREMENTAL CAPACITY RANGES												
		0.05 MW - 15 MW			15 MW - 25 MW			GREATER THAN 25 MW			TOTAL	
EXISTING	UNDEVELOPED	EXISTING	UNDEVELOPED	EXISTING	UNDEVELOPED	EXISTING	UNDEVELOPED	EXISTING	UNDEVELOPED	EXISTING	UNDEVELOPED	
NUMBER	CAPACITY	NUMBER	CAPACITY	NUMBER	CAPACITY	NUMBER	CAPACITY	NUMBER	CAPACITY	NUMBER	CAPACITY	
0-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-49	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
50-99	0.0	4.6	0.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
>100	19.2	12.0	30.0	42.0	19.3	0.0	0.0	0.0	0.0	19.2	26.3	
TOTAL	102	26.4	77.0	104	38.8	0.0	0.0	0.0	0.0	102	65.3	
NUMBER	14	4	6	10	0	1	0	0	0	14	6	
CAPACITY	19.2	7.0	29.9	36.9	0.0	19.3	0.0	0.0	0.0	19.2	29.9	
ENERGY	102	15.0	76.7	91.7	0.0	38.8	0.0	0.0	0.0	102	76.7	
NUMBER	14	4	6	10	0	1	0	0	0	14	6	
CAPACITY	19.2	7.0	29.9	36.9	0.0	19.3	0.0	0.0	0.0	19.2	29.9	
ENERGY	102	15.0	76.7	91.7	0.0	38.8	0.0	0.0	0.0	102	76.7	

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)
 CAPACITY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

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

PROJECT NAME	IDENT NUMBER	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE (DM, M)	LONGITUDE (DM, M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEIGHT OF DAM (FT)	MAXIMUM STORAGE CAPACITY (MM)	ENERGY (MWH)	
***** HAWAII COUNTY NAME: HAWAII *****												
WAILOA	H100007 PH00001	WAILOA			20 4.8 155 37.3		14.0	71.0	253.0	0.0	0.0	2.87
PUEO	H100128 PH00002	WAILUKU		HILU ELECTRIC C LIGHT CO	19 43.8 155 5.6		0.0	0.0	400.0	0.0	0.0	2.25
WAIU	H100129 PH00003	WAILUKU		HILU ELECTRIC C	19 43.4 155 7.3		0.0	0.0	322.0	0.0	0.0	1.10
HONOKAA	H100130 PH00004	LOWER HAKAKUA		HONOKAA SUGA R CU	20 5.8 155 28.2		0.0	0.0	415.0	0.0	0.0	.80
PAPAIAU HILL	H100131 PH00005	OFFSTREAM		HILU COAST P RUCESING CO	19 47.0 155 5.4		0.0	0.0	207.0	0.0	0.0	.13
UNION	H100132 PH00006	KOHALA DITCH		KOHALA CORP RATION	20 14.5 155 48.7		0.0	41.0	565.0	0.0	0.0	.50
***** HONOLULU COUNTY NAME: HONOLULU *****												
KANEIHE KAILUA	H100002 PH00007	KANEIHE KAILUA		C+C HONOLULU	21 23.7 157 48.4		3.0	10.0	56.0	76.0	4.0	.10
NUUANU RESERVOIR	H100001 PH00008	NUUANU STREAM		HONOLULU BOA RD OF WATER	21 21.3 157 48.6		2.0	4.0	51.0	69.0	4.0	.06
MAHIANA RESERVOIR	H100017 PH00009	KAIKONAHUA STREAM		CASTLE AND C OOK LTO	21 30.0 158 3.1		17.0	203.0	70.0	88.0	9.0	2.82
KU TREE RESERVOIR	H100025 PH00010	KAUKONAHUA STREAM		DUO USA	21 30.0 157 59.0		1.0	3.0	80.0	97.0	1.0	.07

***** L E G E N D *****

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

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE (DM,M)	LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	AVERAGE ANNUAL POWER (KW)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 GWH)	MAXIMUM DAM HEAD (FT)	ENERGY CAPACITY (3)
COUNTY NAME: MAUI													
FERC POWER SUPPLY AREA 50 FERC REGIONAL OFFICE CODE 5F													
HANAIE	HU0001	HANAIE RIVER			22 7.9	159 28.1	10.0	104	263	0	0	4.48	16.5
	PH0011												
KOKEE WATER PROJECT	HU0003	KAWAIKOI STREAM		STATE	22 8.0	159 37.1	1.0	9	960	234	41	2.7	4.9
	PH0012												
LUMAHAI	HU0004	LUMAHAI RIVER			22 12.0	159 32.4	10.0	162	312	0	0	14.82	33.6
	PH0013												
WAIALEALE	HU0005	SOUTH FORK WAILUHIA RIVER		STATE	22 2.0	159 26.0	18.0	90	144	185	47	4.27	7.8
	PH0014												
PUU LUA RESERVOIR	HU0002	MAELELE STREAM		MEKAMA SUGAR CO LTD	22 5.5	159 40.9	7.0	61	86	105	1	1.72	3.0
	PH0015												
KAPAIA RESERVOIR	HU0012	HANAKAULU STREAM		LIMUE PLANTATION CO LTD	22 1.2	159 23.9	2.0	10	37	45	1	0	0.2
	PH0016												
KOLOKO RESERVOIR	HU0030	OFFSTREAM		MARY N LUCAS ESTATE	22 10.8	159 22.9	1.0	10	36	44	1	0	0
	PH0017												
ALEXANDER RESERVOIR	HU0009	HAHANA STREAM		MCCRUE SUGAR CO LTD	21 57.6	159 31.6	3.0	14	700	129	3	1.00	2.1
	PH0018												
WAINIMA	HU0012	WAINIMA		MCCRUE SUGAR CO	22 11.9	159 33.5	13.0	181	565	0	0	3.00	24.0
	PH0019												
UPPER LIMUE	HU0013	WAIPI		LIMUE PLANTATION CO	22 1.5	159 26.0	0	0	247	0	0	0	0
	PH0020												
LOWER LIMUE	HU0013	FK WAILUA		LIMUE PLANTATION CO	22 1.3	159 26.8	0	0	206	0	0	0	0
	PH0021												
HYDRO KAUMAKANI	HU0015	WAKALEI		OLUKELE SUGAR CO	22 .2	159 36.9	5.0	17	211	0	0	0	0
	PH0022												

L E G E N D

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

PROJECT NAME	IDENT NUMBER (1)	STREAM CR RIVER	PURP (2)	OWNER	LATITUDE (DM,N)	LONGITUDE (SU MI)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	AVERAGE ANNUAL POWER (MW)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 MW)	MAXIMUM ENERGY (3)
***** COUNTY NAME: KAUAI *****												
***** FERC POWER SUPPLY AREA 50 *****												
***** FERC REGIONAL OFFICE CODE 3F *****												
WAIHEA	H100136	WAIHEA	HI	MEKANA SUGAR	22 2.9	159 38.6	32.0	88.2	265.2	0.2	0.2E	1.00E 3.6
	PH00023			CU								3.91E 7.5
WAIANA	H100137	KAHANA	HI	MEKANA SUGAR	21 59.8	159 43.6	0.2	0.2	275.2	0.2	0.2E	.50E 1.8
	PH00024			CU								0.2E 0.2
***** COUNTY NAME: MAUI *****												
***** FERC POWER SUPPLY AREA 50 *****												
***** FERC REGIONAL OFFICE CODE 3F *****												
WAIHEE	H100006	WAIHEE RIVER	HI		20 56.3	156 32.9	3.0	58.2	241.2	0.2	0.2U	0.2U 0.2
	PH00025											.73E 2.0
KUALAPUU RESERVOIR	H100041	KALUA PEELUA	IS	STATE OF HAWAII	21 9.3	157 3.0	2.0	6.2	41.2	54.2	6.2E	0.2E 0.2
	PH00026	GULCH OFFSTRM		ALL DLNR								.12E .2
PAIA	H100125	MAILCA DITCH	HI	MCS CU	20 53.4	156 20.4	0.2	0.2	260.2	0.2	0.2E	.80E .5
	PH00027											0.2E 0.2
KAKEA	H100126	MAILCA DITCH	HI	MCS CU	20 53.5	156 21.6	0.2	0.2	660.2	0.2	0.2E	5.80E 25.0
	PH00028											0.2E 0.2
KAUOLA	H100127	KAUOLA	HI	PIONEER MILL	20 52.7	156 38.6	2.0	2.2	535.2	0.2	0.2E	.50E 2.0
	PH00029			CU								0.2E 0.2

***** L E G E N D *****

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STATE OF NEVADA

... PRELIMINARY ESTIMATE ...

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

Table with columns for site number, capacity, energy, and various development stages (EXIST, UNDEV, INST, INCR, POTEN, TOTAL). Includes sub-sections for 'POTENTIAL INCREMENTAL CAPACITY RANGES' and 'GREATER THAN 25 MW'.

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), Capacity = Sum of Capacities for Given Head Range (Megawatt), Energy = Sum of Energies for Given Head Range (Gigawatt-Hour)

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
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	PUMP (2)	OWNER	LATITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEIGHTS OF DAM (FT)	STORAGE CAPACITY (MH)	ENERGY (3)
COUNTY NAME: CHURCHILL										
OLD RIVER RESERVOIR	SPK0735	CARSON RIVER	I	TRUCKEE CARBON IRRIG	39 32.4	2000.0	123	17	20	1.76
CARSON RIVER DIVERSION	SPK0736	CARSON RIVER	IHS	USBR	39 29.7	1800.0	500	14	14	2.22
LAHONTAN RESERVOIR	SPK0737	CARSON RIVER	IHRSD	USBR	39 27.8	1750.0	448	120	115	426
STILLWATER POINT RESERVOIR	SPK0738	STILLWATER CANAL	DDI	BSFW	39 31.9	2000.0	123	26	30	19
COUNTY NAME: CLARK										
(LAKE HEAD) ER DAM	SPLO136	COLORADO RIVER	IHCUN	USBR	36 0	167800.0	17000	491	592	30237
COUNTY NAME: DOUGLAS										
WATASHEARU RESERVOIR	SPK0739	EAST FORK CARSON RIVER	IC	USBR	38 50.0	344.0	208	236	264	115
HOVE CANYON RESERVOIR	SPK0740	WALKER RIVER	IC	USBR	38 42.5	533.0	564	55	75	75
TOPAZ RESERVOIR	SPK0741	WALKER RIVER	IC	USBR	38 41.6	500.0	235	23	27	59
COUNTY NAME: ELKO										
PAISVILLE	SPM0386	EAST FORK OMYHEE RIVER	IC	USBR	41 48.0	332.0	105	350	0	0

L E G E N D

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- (3) - ESTIMATED CAPACITY AND ENERGY: N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS), U=UNINSTALLED CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/09/79)

P R E L I M I N A R Y E S T I M A T E S
P U 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	NAME OF STREAM	PROJ#	LAITUDE	DMATNAGE	AVERAGE	NET	HEIGHT	MAXIMUM	CAPACITY	ENERGY
	NUMBERS	RIVER	PUMP	LONGITUDE	AREA	ANNUAL	POWER	OF	STORAGE		
	(1)		(2)	(DM,MM)	(SQ MI)	(CFS)	HEAD	DAM	(1000	(MH)	(GWH)
COUNTY NAME							(FT)	(AC	FT)	(3)	(3)
ELKO											
SKULL CREEK	NV0002	OKYHEE RIVER	M	41 55.0	458.0	140.0	225.0	0.0	0.0	0.0	0.0
	NP0387			115 4.0							4.79AT 21.0
VISTA RESERVOIR	NV0004	MARYS HIVEN	ICH	41 19.8	373.0	55.0	50.0	68.0	50.0	0.0	0.0
	SPK0742			115 15.0							1.22AT 2.0
HYLTON RESERVOIR	NV0016	SOUTH FORK MUMBO CREEK	CIHO	40 40.0	1150.0	90.0	68.0	92.0	210.0	0.0	0.0
	SPK0743			115 47.0							2.63AT 4.4
DEVILS GATE RESERVOIR	NV0017	NORTH FORK HUMHO RIVER	HUMHO	41 11.0	876.0	74.0	87.0	118.0	80.0	0.0	0.0
	SPK0744			115 30.0							2.66AT 4.5
BISHOP CREEK RESERVOIR	NV0050	RISHOP CREEK	I	PACIFIC RECL	68.0	118.0	41.0	55.0	30.0	0.0	0.0
	SPK0745			AMATLON CO	114 54.9						1.79AN 3.0
WILLOW CREEK RESERVOIR	NV0054	WILLOW CREEK	I	ELLISIAN RANC	109.0	20.0	78.0	92.0	18.0	0.0	0.0
	SPK0746			MING CC	116 32.3						.56AN 1.0
CRITTENDEN RESERVOIR	NV0108	CRITTENDEN CREEK	I	MESQUITE LANE	107.0	30.0	33.0	39.0	4.0	0.0	0.0
	SPK0747			D CO	114 10.3						.15AN .7
DAKE RESERVOIR	NV0109	THOUSAND SPRING CREEK	I	MESQUITE LANE	1821.0	137.0	28.0	33.0	7.0	0.0	0.0
	SPK0748			D CO	114 5.0						1.32AN 2.6
21 MILE RESERVOIR	NV0110	THOUSAND SPRINGS CREEK	I	MESQUITE LANE	801.0	77.0	43.0	50.0	5.0	0.0	0.0
	SPK0749			D CO	114 21.8						1.13AN 2.2
NO NAME	NV0142	NO NAME	D	CLIFFS COPPE	15.0	60.0	209.0	60.0	0.0	0.0	0.0
	NP2613			R CORP	115 58.7						2.36AN 3.6
LAMOILLE POWER PLANT	NV0001	LAMOILLE CREEK	M	NEVADA POWER	25.0	44.0	910.0	0.0	0.0	0.0	0.0
	SPK0750			CU	115 28.5						17.82AN 26.6
MELLS POWERPLANT	NV0002	TROUT CREEK	M	MELLS RURAL	3.0	3.0	200.0	0.0	0.0	0.0	0.0
	SPK0751			ELECTRIC CO	115 7.0						.25AN .8

L E G E N D

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID, BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.
- (2) - PROJECT PURPOSES: I=IRRIGATION, H=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=SEWER SUPPLY, R=RECREATION, DE=DEBRIS CONTROL, P=PUMP, 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 NEVADA

PROJECT NAME	IDENT NUMBER	STREAM NAME	COUNTY	OWNER	PURPOSE	LONGITUDE (DM-N)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	NET HEAD (FT)	NET HEIGHT	MAXIMUM STORAGE (MG)	CAPACITY (MG)	ENERGY (3)
LOWER MAGGIE CREEK	NV00014	MAGGIE CREEK	ELKO	SPK0752	IC	40 54.0	345.0	13.0	70.0	95.0	32.0	0.0	0.0
COUNTY NAME: HUMBOLDT													
CHIMNEY RESERVOIR	NV00003	LITTLE HUMBOLDT RIVER	HUMBOLDT	SPK0753	CI	41 23.2	790.0	1500000.0	67.0	90.0	127.0	0.0	0.0
SENTINEL ROCK	NV00005	CROMLEY CREEK	HUMBOLDT	SPK0754	IC	41 42.5	105.0	19.0	67.0	90.0	19.0	0.0	0.0
MCDERMITT CREEK RESERVOIR	NV00006	MCDERMITT CREEK	HUMBOLDT	SPK0755	IC	41 58.5	224.0	41.0	163.0	220.0	52.0	0.0	0.0
FORT MCDERMITT	NV00007	QUINN RIVER	HUMBOLDT	SPK0756	IC	41 58.5	140.0	26.0	140.0	190.0	44.0	0.0	0.0
SUGARLOAF RESERVOIR	NV00009	MARTIN CREEK	HUMBOLDT	SPK0757	IC	41 32.2	172.0	32.0	259.0	350.0	167.0	0.0	0.0
HARDSCRABBLE RESERVOIR	NV00009	MARTIN CREEK	HUMBOLDT	SPK0758	IC	41 35.5	108.0	20.0	140.0	190.0	74.0	0.0	0.0
GREELY FLAT RESERVOIR	NV00010	NORTH FORK LITTLE HUMBOLDT RIVER	HUMBOLDT	SPK0759	IC	41 39.8	120.0	22.0	100.0	135.0	89.0	0.0	0.0
HOT SPRINGS RESERVOIR	NV00011	LITTLE HUMBOLDT RIVER	HUMBOLDT	SPK0760	IC	41 24.5	1080.0	26.0	59.0	80.0	52.0	0.0	0.0
LOWER LATONS SPRING	NV00012	SOUTH FORK LITTLE HUMBOLDT RIVER	HUMBOLDT	SPK0761	IC	41 27.3	495.0	12.0	81.0	110.0	67.0	0.0	0.0
THOUSAND CREEK DAM	NV00018	THOUSAND CREEK	HUMBOLDT	SPK07614	IR	41 53.7	60.0	30.0	23.0	31.0	60.0	0.0	0.0

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 (2) - PROJECT PURPOSES IRRIGATION, HYDROELECTRIC, CEFLD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION,
 DERRIS CONTROL, PEFAM POND, GROTHER
 (3) - ESTABLISHED CAPACITY AND ENERGY WHEN INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
 (3) - UNINSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

LEGENO

P R E L I M I N A R Y E S T I M A T E S
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 #	NAME OF STREAM OR RIVER	PROJ #	OWNER	LATITUDE (DN,M)	LONGITUDE (SU MI)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (MG)	MAXIMUM ENERGY (3)	
COUNTY NAMES: LANDER												
ROCK CREEK RESERVOIR	NV00013	ROCK CREEK	IC		40 52.5	115.0	30.0	65.0	80.0	0.0	0.0	
VOIR	SPK0762				116 40.6					.73	1.0	
COUNTY NAMES: LYON												
EUREKA RESERVOIR	NV00018	CARSON RIVER	MIC		39 12.0	876.0	395.0	200.0	0.0	0.0	0.0	
VOIR	SPK0763				119 38.0					19.10	84.5	
COUNTY NAMES: PERMING												
PAIUTE RESERVOIR	NV00011	CARSON RIVER	OFFC		39 12.0	876.0	718.0	11.0	15.0	5.0	0.0	
VOIR	SPK0764	STREAM			119 38.0					.95	4.5	
COUNTY NAMES: MINERAL												
26 FOOT DRUP POND	NV00000	AV CANAL (CARSON RIVER)	SIERRA PACIFIC		39 29.0	2000.0	100.0	26.0	0.0	0.0	5.0	
ER PLANT	SPK0765				118 53.5					.60	1.0	
COUNTY NAMES: HUMBOLDT												
WEBER RESERVOIR	NV10132	HUMBOLDT RIVER	DUI	BIA	39 2.7	2700.0	158.0	29.0	35.0	14.0	0.0	
VOIR	SPK0766				118 51.6					.27	1.1	
COUNTY NAMES: HUMBOLDT												
UPPER PITT TAYLOR RESERVOIR	NV00002	HUMBOLDT RIVER	PCWD		40 38.3	15700.0	207.0	15.0	18.0	24.0	0.0	
VOIR	SPK0767				118 16.3					.27	1.1	
COUNTY NAMES: HUMBOLDT												
LOWER PITT TAYLOR RESERVOIR	NV00003	HUMBOLDT RIVER	PCWD		40 36.3	15700.0	207.0	22.0	26.0	22.0	0.0	
VOIR	SPK0768				118 18.0					.27	1.1	
COUNTY NAMES: HUMBOLDT												
RYE PATCH RESERVOIR	NV10124	HUMBOLDT RIVER	DUI	USBR	40 28.2	13700.0	167.0	66.0	66.0	213.0	0.0	
DIR	SPK0769				118 18.0					.27	1.1	

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- (3) - E=INSTALLED CAPACITY AND ENERGY INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
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(07/09/79)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF NEVADA

PROJECT NAME	AGENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ NUMBER (2)	DRAINAGE AREA (SQ MI)	LONGITUDE (DM,M)	PUMP OWNER	ANNUAL INFLU (CFD)	AVERAGE ANNUAL INFLU (CFD)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (MH)	ENERGY (3)
COUNTY NAME: STOREY											
DERBY DAM	NV10121	TRUCKEE RIVER	USBR	1700.0	39 35.2		800.0	15.0	15.0	1.0	0.0
	SPK0770				119 26.6					2.31	3.1
COUNTY NAME: WASHOE											
FERC POWER SUPPLY AREA 46											
FERC POWER SUPPLY AREA 46											
UPPER WALL CREEK RESERVOIR	NV00023	WALL CREEK	COCKRELL	243.0	41 9.9		78.0	47.0	55.0	2.0	0.0
	SPK0771				119 49.0					1.06	2.5
HIGHLAND RESERVOIR	NV00067	TRUCKEE RIVER	SIENNA PACIFIC POWER CO	1067.0	39 32.5		675.0	9.0	10.0	0.0	0.0
	SPK0772				119 49.7					.74	4.0
MARLETTE LAKE	NV00069	MARLETTE CREEK	STATE OF NEVADA	3.0	39 10.3		8.0	37.0	43.0	10.0	0.0
	SPK0773				119 54.4					.09	.2
FLEISH POWER PLANT	NV00033	TRUCKEE RIVER	SIENNA PACIFIC POWER CO	978.0	39 28.5		800.0	125.0	0.0	0.0	2.00
	SPK0774				119 59.5					0.0	0.0
VERDI POWER PLANT	NV00044	TRUCKEE RIVER	SIENNA PACIFIC POWER CO	994.0	39 31.5		800.0	96.0	0.0	0.0	2.40
	SPK0775				119 58.7					0.0	0.0
VERDI DIVERSION DAM	NV00005	TRUCKEE RIVER	SIENNA PACIFIC POWER CO	1028.0	39 31.4		800.0	86.0	0.0	0.0	1.50
	SPK0776				119 57.6					0.0	0.0
COUNTY NAME: WHITE PINE											
FERC POWER SUPPLY AREA 47											
FERC POWER SUPPLY AREA 47											
KEVSTONE RESERVOIR	NV00023	GLEASON CREEK	IC	55.0	39 18.0		95.0	34.0	46.0	2.0	0.0
	SPK0777				114 58.5					1.23	2.0

LEGEND

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STATE OF UTAH

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

POTENTIAL INCREMENTAL CAPACITY RANGES														
	0.05 MW - 15 MW				15 MW - 25 MW				GREATER THAN 25 MW				TOTAL	
EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT
NUMBER	CAPACITY	ENERGY	NUMBER	CAPACITY	ENERGY	NUMBER	CAPACITY	ENERGY	NUMBER	CAPACITY	ENERGY	NUMBER	CAPACITY	ENERGY
0-19	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	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	0.0	5.1
20-49	1.0	2.0	2.0	1.0	2.0	1.0	2.0	2.0	1.0	2.0	2.0	1.0	2.0	4.0
	9.4	1.2	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4
	20.9	2.1	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9
50-99	3.0	10.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0
	29.0	13.4	42.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0
	83.1	33.1	116.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.1
>100	34.0	12.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.0
	49.4	66.0	160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.4
	243.0	145.0	440.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	243.0
TOTAL	39.0	79.0	103.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	103.0
	51.9	80.7	216.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.9
	254.0	364.0	584.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	254.0

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)
 COLUMN 5 = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)
 COLUMN 6 = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

P R E L I M I N A R Y E S T I M A T E S
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 U T A H

PROJECT NAME	IDENT NUMBER	NAME OF STREAM	PROJ#	DRAINAGE AREA (SQ MI)	LONGITUDE (DM,M)	OWNER	AVERAGE ANNUAL INFLOW (CFS)	NET WEIGHT OF DAM	MAXIMUM STORAGE OF DAM (1000 (MM))	CAPACITY ENERGY (WH)
COUNTY NAME	(1)	CH RIVER	(2)	(80 MI)	(DM,M)		(CFS)	(FT)	(AC FT)	(3)
***** COUNTY NAME: BEAVER *****										
ROCKY FORD	UT00259	BEAVER RIVER	I	534.0	38 13.0	ROCKY FORD I	37.0	51.0	27.0	0.0
	SPK0787				112 50.0	RR CO				.540
BEAVER NO 2 POWERHOUSE	UT00503	BEAVER RIVER	H	90.0	38 17.1	BEAVER CITY	50.0	140.0	0.0	.280
	SPK0788				112 36.0	COMP				0.0
***** COUNTY NAME: BOX ELDER *****										
BLUE CREEK	UT00044	BLUE CREEK	I	93.0	41 0.4	BLUE CREEK I	70.0	30.0	45.0	0.0
	SPK0789				112 27.4	RR CO				.940
BOX ELDER CREEK	UT00050	BOX ELDER CREEK	I	14.0	41 26.8	BRIGHAM CITY	15.0	49.0	58.0	0.0
	SPK0790				111 54.8	CONSER CO				.300
CUTLER	UT00079	BEAR RIVER	H I	6267.0	41 50.1	UTAH POWER	2000.0	127.0	91.0	30.000
	SPK0791				112 3.0	LIGHT CU				2.995
MANTUA	UT00196	ROCK CREEK SPRING	I	15.0	41 29.6	BRIGHAM CITY	16.0	21.0	25.0	0.0
	SPK0792				111 56.1					.180
SOUTH JUNCTION	UT00285	SOUTH JUNCTION CREEK	I	15.0	41 50.7	DIV WATER RES	9.0	24.0	28.0	0.0
	SPK0793				113 43.1	SOURCES				.090
BRIGHAM POWERHOUSE	UT00052	BOX ELDER CREEK	H	12.0	41 30.1	BRIGHAM CITY	16.0	575.0	0.0	1.200
	SE NO 1				111 59.3	CORP				1.530
BRIGHAM POWERHOUSE	UT00053	BOX ELDER CREEK	H	12.0	41 30.1	BRIGHAM CITY	16.0	500.0	0.0	.450
	SE NO 2				111 59.7	CORP				2.170
***** COUNTY NAME: CACHE *****										
BEAVER NARROWS	UT00059	LOGAN RIVER	C	17.0	41 59.0		45.0	96.0	130.0	5.0
	SPK0795				111 36.0					1.667

L E G E N D

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- (3) - ESTIMATED CAPACITY AND ENERGY, INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (4) - UNINSTALLED CAPACITY AND ENERGY, TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/10/79)

P R E L I M I N A R Y E S T I M A T E S
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 U T A H

PROJECT NAME	IDNT	NAME OF STREAM	PRCJ	AVERAGE ANNUAL POWER	NET WEIGHT	MAXIMUM STORAGE	CAPACITY	ENERGY
	NUMER	CR RIVER	PURP	INFLD	HEAD	DAM	(1000	(MHP)
	(1)		(2)	(CFS)	(FT)	(AC FT)	(3)	(3)
COUNTY NAME:	CACHE			FERC POWER SUPPLY AREA 41	FERC REGIONAL OFFICE CODE 9F			
BLACKSMITH FORK (CHARDWARE RANCH)	UTU0060 SPK0796	BLACKSMITH FORK		268.0	96.0	130.0	13.0	0.0
PORCUPINE	UT00251 SPK0797	EAST FK LITTLE BEAR RIVER	PORCUPINE RES CO	57.0	123.0	151.0	13.0	0.0
UPPER LOGAN CITY	UT00310 SPK0798	LOGAN RIVER	LOGAN CITY CORP	214.0	99.0	15.0	0.0	1.40
LOGAN AGRICULTURE POWERHOUSE	UT00601 SPK0799	LOGAN RIVER	UTAH STATE COLLEGE	220.0	99.0	0.0	0.0	.45
MYRUM RESERVOIR	UT10123 SPK0800	LITTLE BEAR RIVER	USBR	217.0	82.0	82.0	19.0	.40
NEWTON RESERVOIR	UT10129 SPK0801	CLARKSTON CREEK	USBR	58.0	9.0	57.0	6.0	0.0
MCDONALD AND EROUS DAMS	UT00001 SPK0802	WILLOW CREEK		62.0	40.0	54.0	2.0	0.0
WHITE R CANYON RESERVOIR	UT00039 SPK0803	GREEN RIVER		39500.0	52.0	0.0	0.0	0.0
SCOFIELD	UT10133 SPK0804	PRICE RIVER	USBR	163.0	50.0	60.0	112.0	0.0
HICKERSON PARK	UTU0002 SPK0805	SHEEP CREEK		43.0	35.0	96.0	9.0	0.0

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D=DEBRIS CONTROL, P=PFARM POND, O=OTHER
(3) = E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
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L E G E N D

(07/10/79)

P R E L I M I N A R Y E S T I M A T E S
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 U T A H

PROJECT NAME	AGENT NUMBER (1)	NAME OF STREAM OR RIVER	PURPOSE (2)	OWNER	LATITUDE (DM,N)	LONGITUDE (50 MI)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	AVERAGE ANNUAL POWER (KW)	NET WEIGHT OF DAM (1000)	STORAGE CAPACITY (1000)	ENERGY (3)
COUNTY NAME: DAGGETT												
FLAMING GORGE TO BACKWATER ECHU	SPK0806	GREEN RIVER	M	MCSHODUI	40 54.0	109 24.0	15100.0	2314.0	32.0	0.0	0.0	0.0
FLAMING GORGE RESERVOIR	SPK0807	GREEN RIVER	M	USER	40 54.4	109 25.2	15150.0	2072.0	435.0	453.0	4003.0	108.000E
COUNTY NAME: DUCHESNE												
UINTA RESERVOIR	SPK0809	UINTA RIVER	M		40 35.5	110 6.8	160.0	185.0	1500.0	0.0	0.0	0.0
UPPER ROCK CREEK	SPK0810	ROCK CREEK	M		40 35.0	110 42.5	98.0	147.0	780.0	0.0	0.0	0.0
LOWER ROCK CREEK	SPK0811	ROCK CREEK	M		40 32.0	110 38.0	131.0	154.0	710.0	0.0	0.0	0.0
YELLOWSTONE	SPK0812	YELLOWSTONE CREEK	M		40 34.5	110 19.5	110.0	109.0	1500.0	0.0	0.0	0.0
BIG SAND WASH RESERVOIR	SPK0813	BIG SAND WASH	M		40 17.6	110 13.8	20.0	6.0	72.0	85.0	12.0	0.0
RED CREEK	SPK0816	RED CREEK	M		40 18.2	110 50.9	39.0	10.0	82.0	97.0	6.0	0.0
YELLOWSTONE POWER DIVERSION	SPK0817	YELLOWSTONE CREEK	M		40 34.5	110 19.6	131.0	141.0	250.0	10.0	0.0	0.0
TWIN POTS NORTH RESERVOIR	SPK0818	WEST FORK OF LAKE CREEK	M		40 30.4	110 25.5	128.0	148.0	28.0	33.0	4.0	0.0
UINTAH POWER PLANT	SPK0819	POPLE CREEK	M		40 31.9	110 3.9	181.0	209.0	450.0	0.0	0.0	0.0

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(3) - E=INSTALLED CAPACITY AND ENERGY, N=NET INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
(3) - U=UNINSTALLED CAPACITY AND ENERGY, T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/10/79)

P R E L I M I N A R Y E S T I M A T E S
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 U T A H

PROJECT NAME	IDENT NUMBER	NAME OF STREAM	PURPOSE	DRAINAGE AREA (SQ MI)	INFLOW (CFS)	NET HEAD (FT)	NET ANNUAL POWER (MW)	STORAGE CAPACITY (MM)	MAXIMUM ENERGY (GWH)
MOON LAKE	UT10126	WEST FORK OF LAKESIDE RIVER	DOE	110.0	128.0	75.0	51.0	0.0	0.0
	SPK0820	E FORK RIVER		29.4				2.13	6.1
STARVATION RESERVOIR	UT10136	STRAWBERRY RIVER	DOE	1045.0	127.0	127.0	189.0	0.0	0.0
	SPK0821			26.0				3.67	12.0
COUNTY NAME: DUCHENE									
GRAY CANYON DAM SITE	UT00033	GREEN RIVER	DOE	39100.0	6366.0	105.0	0.0	0.0	0.0
	SPK0822			9.0				196.17	433.6
GREEN RVR TO WATER JUNCTION	UT00035	GREEN RIVER	DOE	40600.0	6388.0	85.0	0.0	0.0	0.0
	SPK0824			1.5				164.90	372.9
COTTONWOOD RESERVOIR	UT00037	COTTONWOOD CREEK	DOE	86.0	97.0	780.0	0.0	0.0	0.0
	SPK0825			6.5				11.09	28.8
ELECTRIC LAKE	UT00100	HUNTINGTON CREEK	DOE	130.0	67.0	194.0	34.0	0.0	0.0
	SPK0827			13.1				3.54	7.3
HILLSITE	UT00212	FERRON CREEK	DOE	139.0	68.0	85.0	10.0	0.0	0.0
	SPK0828			11.1				2.21	3.5
BUCKHORN RESERVOIR	UT10114	SAN RAFAEL RIVER	DOE	31.0	35.0	16.0	22.0	5.0	0.0
	SPK0829			48.7				0.26	0.4
HUNTINGTON NORTH RESERVOIR	UT10122	HUNTINGTON CREEK	DOE	190.0	97.0	48.0	59.0	6.0	0.0
	SPK0830	OFFSTREAM		57.2				1.50	3.1
JOES VALLEY RESERVOIR	UT10124	SEELY CREEK	DOE	135.0	90.0	145.0	180.0	72.0	0.0
	SPK0831			16.2				2.74	5.3

L E G E N D

- (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: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION, DEBRIS CONTROL, FISH AND WILDLIFE, FISH AND WILDLIFE, FISH AND WILDLIFE, FISH AND WILDLIFE.
- (3) - E-INSTALLED CAPACITY AND ENERGY, NEM-INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (4) - U-INSTALLED CAPACITY AND ENERGY, T-TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/10/79)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF UTAH

PROJECT NAME	IDENT NUMBER	NAME OF STREAM OR RIVER	PROJ. PURPOSE (1)	OWNER	LONGITUDE (DM, M)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFD)	HEAD (FT)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (MG)	ENERGY (KWH)
COUNTY NAME: GARFIELD											
ESCALANTE RESERVOIR	UT0003	MESCALANTE RIVER			37 47.0	310.0	17.0	109.0	147.0	23.0	0.0
DIR	SPK0832				111 34.0					2.24	7.3
PINE CREEK	HANSANTU0004	MESCALANTE RIVER			37 49.0	94.0	5.0	84.0	113.0	1.0	0.0
	SPK0833				111 36.0					.115	.2
PANGUITCH LAKE	UT0023	BUNKER BLUE CREEK		WEST PANGUITCH	37 44.5	47.0	24.0	21.0	25.0	19.0	0.0
	SPK0834	IPSON CREEK		CH IRR	112 37.5					.15	.3
COUNTY NAME: BRADY											
MILL CREEK	UT0005	MILL CREEK			38 33.0	75.0	14.0	152.0	206.0	10.0	0.0
PORKS RESERVOIR	SPK0835				109 28.0					.42	1.4
GRAY CANYON	UT0032	GREEN RIVER			39 13.5	39100.0	6152.0	470.0	470.0	2000.0	0.0
	SPK0836				110 3.5					878.10	1985.8
MOAB RESERVOIR	UT0004	COLORADO RIVER			38 36.0	24500.0	3855.0	136.0	0.0	183.0	0.0
	SPK0837				109 34.0					.161	55.4
DEWEY RESERVOIR	UT0046	COLORADO RIVER			38 48.0	24100.0	7855.0	325.0	0.0	6300.0	0.0
	SPK0838				109 19.0					.180	00.0
COUNTY NAME: IRON											
NEWCASTLE (PINTO)	UT0022	PINTO CREEK		NEWCASTLE	37 38.8	62.0	11.0	54.0	73.0	5.0	0.0
CREEK	SPK0839			CO	113 31.1					.17	.4
CENTER CREEK	PASANTO0076	CENTER CREEK		PARDON CITY	37 50.5	60.0	7.0	490.0	0.0	0.0	2.0
ROMAN POWERHOUSE	SPK0840			CORP	112 50.0					.0	.0

LEGEND

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(2) - PROJECT PURPOSES: I=IRRIGATION, H=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=WATER SUPPLY, R=RECREATION, D=DEBRIS CONTROL, P=POND, O=OTHER

(3) - E=INSTALLED CAPACITY AND ENERGY, N=INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS), U=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/10/79)

P R E L I M I N A R Y E S T I M A T E S
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 U T A H

PROJECT NAME	IDENT #	STREAM	RIVER	PROJ #	NAME	DRAINAGE	AREA	INFLUN	HEAD	NET	HEIGHT	MAXIMUM	CAPACITY	ENERGY
	(1)			(2)		(SU MI)	(CFS)	(FT)	(AC FT)	(3)		(4)	(5)	(6)
COUNTY NAME	JUAB													
MONA RESERVOIR	UT00215	CURRENT CREEK		I	CURRENT CREEK	39 52.7	303.0	22.0	20.0	27.0	21.0	0.0	0.0	0.0
	SPK0841				SK IMM CO	111 51.2								.23N
SEVIER BRIDGE	UT00272	SEVIER RIVER		I	DELTA LAND	39 22.3	5120.0	226.0	65.0	77.0	236.0	0.0	0.0	0.0
	SPK0842				WATER ETAL	112 1.9								3.76N
COUNTY NAME	MILLARD													
D H A D	UT00080	SEVIER RIVER		I	D M A D CO	39 24.0	6270.0	187.0	25.0	29.0	11.0	0.0	0.0	0.0
	SPK0843					112 28.9								2.00N
FOOL CREEK NO 1	UT00114	FOOL CREEK		I	CENTRAL UTAM	39 27.1	30.0	16.0	17.0	20.0	18.0	0.0	0.0	0.0
	SPK0844				WATER CC	112 21.1								.09N
FOOL CREEK NO 2	UT00115	FOOL CREEK		I	CENTRAL UTAM	39 27.1	30.0	16.0	13.0	15.0	5.0	0.0	0.0	0.0
	SPK0845				WATER CC	112 22.2								.07N
LAKE CREEK	UT00168	LAKE CREEK		I	LAKE CREEK R	38 53.9	1158.0	86.0	26.0	30.0	6.0	0.0	0.0	0.0
	SPK0846				RES CC	114 1.1								.58N
SCIPIO LAKE	UT00269	ROUND VALLEY CREEK		I	SCIPIO IRR CO	39 7.3	65.0	34.0	14.0	16.0	10.0	0.0	0.0	0.0
	SPK0847					112 3.2								.16N
COUNTY NAME	MORGAN													
DRY CREEK RESERVOIR	UT00006	WERER RIVER				41 8.0	1610.0	552.0	106.0	144.0	8.0	0.0	0.0	0.0
	SPK0848					111 46.0								10.92N
HARD SCRABBLE	UT00007	HARD SCRABBLE CR				40 56.0	24.0	22.0	127.0	172.0	6.0	0.0	0.0	0.0
	SPK0849					111 44.0								.40N
INTERMEDIATE LOS	UT00009	LOST CREEK				41 14.0	69.0	52.0	80.0	108.0	4.0	0.0	0.0	0.0
	SPK0850					111 21.0								1.46N

L E G E N D

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- (3) - ESTABLISHED CAPACITY AND ENERGY FROM EXISTING DAMS. NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS).
- (4) - INSTALLED CAPACITY AND ENERGY. TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES).

(07/10/79)

P R E L I M I N A R Y E S T I M A T E S
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 U T A H

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PKPJ	UMER	LATITUDE (DM,S)	LONGITUDE (DM,W)	AREA (SQ MI)	INFLW (CFS)	HEAD (FT)	NET HEIGHT (FT)	MAXIMUM STORAGE (MM)	CAPACITY (GWH)	ENERGY (3)
***** COUNTY NAME: MORGAN *****													
GATEWAY POWERHOUSE	UT06056	WEBER RIVER	M	SE	41 5.3	111 51.1	1610.0	552.0	148.0	0.0	4.28E	15.4	
	SPK0451										19.00E	40.1	
***** COUNTY NAME: MORGAN *****													
EAST CANYON RESERVOIR	UT10119	EAST CANYON CREEK	ISCO	USBM	40 55.2	111 36.0	142.0	53.0	156.0	195.0	56.0E	0.0E	0.0
	SPK0452										2.95E	12.0	
***** COUNTY NAME: PIUTE *****													
LOST CREEK RESERVOIR	UT10125	LOST CREEK	ISCO	USBM	41 11.1	111 24.0	123.0	24.0	134.0	161.0	27.0E	0.0E	0.0
	SPK0453										3.10E	7.4	
***** COUNTY NAME: PIUTE *****													
OTTER CREEK	UT00235	OTTER CREEK	ISCO	USBM	36 10.2	112 1.2	330.0	12.0	26.0	35.0	63.0E	0.0E	0.0
	SPK0454										0.66E	2.0	
***** COUNTY NAME: PIUTE *****													
PIUTE	UT00249	SEVIER RIVER	ISCO	USBM	36 19.4	112 11.2	2400.0	212.0	53.0	62.0	74.0E	0.0E	0.0
	SPK0455										1.63E	6.4	
***** COUNTY NAME: RICH *****													
UPPER BEAVER POWERHOUSE	UT08063	BEAVER RIVER	ISCO	USBM	36 16.2	112 26.5	60.0	50.0	1100.0	0.0	0.0E	2.40E	11.0
	SPK0456										0.0E	0.0E	0.0
BEAVER NO 1 POWERHOUSE	UT08060	BEAVER RIVER	ISCO	USBM	36 16.2	112 33.5	80.0	50.0	364.0	0.0	0.0E	0.63E	3.1
	SPK0457										0.0E	0.0E	0.0
***** COUNTY NAME: RICH *****													
PARAGONAH	UT08068	BEAVER RIVER	ISCO	USBM	36 16.2	112 33.5	80.0	50.0	732.0	0.0	0.0E	0.50E	1.6
	SPK0458										0.0E	0.0E	0.0
***** COUNTY NAME: RICH *****													
BIRCH CREEK	UT00041	BIRCH CREEK	ISCO	USBM	41 30.2	111 19.5	17.0	8.0	77.0	91.0	2.0E	0.0E	0.0
	SPK0459										0.26E	0.0	
***** COUNTY NAME: RICH *****													
NEPONSET	UT00225	KATES CREEK	ISCO	USBM	41 17.4	111 6.7	14.0	9.0	16.0	19.0	6.0E	0.0E	0.0
	SPK0460										0.05E	0.0	

L E G E N D

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D=DEBRIS CONTROL, P=PAVING, F=FERROUS, G=OTHER
(3) - E=INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
U=UNINSTALLED CAPACITY AND ENERGY I=INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/10/79)

PRELIMINARY ESTIMATES
POTENTIAL HYDROPOWER SITES
IN THE STATE OF UTAH

PROJECT NAME	IDENT NUMBER	NAME OF STREAM	CR RIVER	PROJ#	PURP#	OWNER	LONGITUDE (DM,MM)	AREA (SQ MI)	DRAINAGE	ANNUAL *POKER	NET HEIGHT	MAXIMUM	CAPACITY	ENERGY
	(1)			(2)			(S,MI)	(CF8)	(FT)	(AC FT)	(GPM)	(3)	(3)	(3)
COUNTY NAME: RICH														
WOODRUFF CREEK	*UT00332*	*WOODRUFF CREEK	*I	*I	*I	*WOODRUFF CREEK	41 28.1	50.0	33.0	83.0	101.0	5.0	0.0	0.0
	SPK0661					*EK IRR CO	*111 19.2							*.61N 1.4
COUNTY NAME: SALT LAKE														
BELL CANYON (LOW)	*UT00031*	*BELL CANYON	*I	*I	*I	*BELL CANYON	40 53.8	5.0	5.0	48.0	37.0	0.0	0.0	0.0
ER)	*SPK0862*					*IRR CO	*111 47.8							*.08N .2
BINGHAM CREEK	*UT00039*	*BINGHAM CREEK	*D	*D	*D	*KENNECOTT CO	40 33.9	16.0	15.0	62.0	73.0	2.0	0.0	0.0
	SPK0663					*PPER CONP	*112 5.1							*.13N .7
MOUNTAIN DELL	*UT00221*	*PARLEYS CREEK	*D	*D	*D	*SALT LAKE CI	40 45.2	50.0	26.0	119.0	140.0	3.0	0.0	0.0
	SPK0864					*TY CRP	*111 43.4							*2.17N 4.3
GRANITE POWERHOUSE	*UT08059*	*LITTLE COTTONWOOD	*H	*H	*H	*UTAH POWER A	40 34.3	42.0	44.0	470.0	0.0	0.0	1.500E	6.1
SE	*SPK0655*	*CREEK				*ND LIGHT CO	*111 46.2						*2.82N 6.0	
HYDRD (MURRAY) POWERPLANT	*UT08060*	*LITTLE COTTONWOOD	*H	*H	*H	*CITY OF MURR	40 35.1	42.0	44.0	565.0	0.0	0.0	1.000E	4.7
	SPK0866	*CREEK				*AY	*111 50.5						*1.78N 6.7	
STAIRS POWERHOUSE	*UT08077*	*BIG COTTONWOOD	*H	*H	*H	*UTAH POWER A	40 37.4	40.0	42.0	370.0	0.0	0.0	1.000E	5.0
E	*SPK0867*	*CREEK				*ND LIGHT CO	*111 45.1						*2.75N 4.6	
COUNTY NAME: SAN JUAN														
UPPER MILL CREEK	*UT00308*	*MILL CREEK	*H	*H	*H	*UTAH POWER A	40 29.0	28.0	5.0	78.0	106.0	1.0	0.0	0.0
	SPK0668					*109 24.0							*.08N .3	
LAKE POWELL TO UPPER MOAB	*UT00050*	*COLORADO RIVER	*H	*H	*H	*38 4.0	67734.0	10657.0	249.0	0.0	0.0	0.0	0.0	0.0
	SPK0669					*110 3.0							*.05.69N 1822.5	
GOOSENECKS	*UT00052*	*SAN JUAN RIVER	*H	*H	*H	*37 9.0	23200.0	2586.0	177.0	0.0	0.0	0.0	0.0	0.0
	SPK0871					*109 56.0							*.135.45N 294.1	

LEGEND

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- (3) - E=INSTALLED CAPACITY AND ENERGY, N=NEAR INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (3) - U=UNDEVELOPED SITES, T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

P R E L I M I N A R Y E S T I M A T E S
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 U T A H

PROJECT NAME	IDENT NUMBER	STREAM OR RIVER	PROJ PURP (1)	OWNER	LONGITUDE (DM, M)	AREA (SQ MI)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	POWER SUPPLY AREA 41	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 MW)	MAXIMUM ENERGY (3)
***** COUNTY NAME: SAN JUAN *****												
BLUFF (CHINLE)	UT00054	SAN JUAN RIVER	37 11.5	22900.0	2586.0	354.0	0.0	7000.0	0.0	0.0	267.39	580.6
	SPK0873		109 48.0									
***** COUNTY NAME: SANPETE *****												
***** GUNNISON *****												
GUNNISON	UT00130	SAN PITCH RIVER	39 12.8	672.0	48.0	28.0	33.0	18.0	0.0	0.0	0.0	0.0
	SPK0874		111 42.5									
GUNNISON BEND	UT00131	SEVIER RIVER	39 20.7	6270.0	187.0	18.0	21.0	10.0	0.0	0.0	1.05	3.5
	SPK0875		112 37.5									
***** HIGHLAND (MINE MILE CREEK) *****												
HIGHLAND (MINE MILE RESERVOIR)	UT00136	MINE MILE CREEK	39 10.3	9.0	10.0	26.0	31.0	4.0	0.0	0.0	0.0	0.0
	SPK0876		111 43.1									
***** HUNTINGTON *****												
HUNTINGTON	UT00144	SPRING CREEK	39 35.1	5.0	6.0	30.0	37.0	3.0	0.0	0.0	0.08	0.1
	SPK0877		111 15.7									
***** MILLER FLAT *****												
MILLER FLAT	UT00210	WILLER FLAT CREEK	39 32.4	9.0	10.0	60.0	70.0	6.0	0.0	0.0	0.27	0.4
	SPK0878		111 14.5									
***** EPHRAIM NO 1 POWERHOUSE *****												
EPHRAIM NO 1 POWERHOUSE	UT008054	EPHRAIM CREEK	39 20.5	5.2	6.0	1370.0	0.0	0.0	0.0	0.0	1.5	0.8
	SPK0879		111 32.7									
***** EPHRAIM NO 2 POWERHOUSE *****												
EPHRAIM NO 2 POWERHOUSE	UT008055	EPHRAIM CREEK	39 20.2	1.0	2.0	1160.0	0.0	0.0	0.0	0.0	1.31	1.5
	SPK0880		111 31.5									
***** LOWER MOUNT PLEASANT CREEK *****												
LOWER MOUNT PLEASANT CREEK	UT008062	PLEASANT CREEK	39 32.4	6.3	7.0	315.0	0.0	0.0	0.0	0.0	0.15	0.1
	SPK0881		111 22.5									
***** LOWER FAIRVIEW POWERHOUSE *****												
LOWER FAIRVIEW POWERHOUSE	UT008064	COTTONWOOD CREEK	39 30.2	12.0	14.0	390.0	0.0	0.0	0.0	0.0	2.15	2.9
	SPK0882		111 25.3									
***** MANTI POWERHOUSE *****												
MANTI POWERHOUSE	UT008066	MANTI CREEK	39 15.4	27.0	31.0	366.0	0.0	0.0	0.0	0.0	2.80	4.7
	SPK0883		111 36.6									

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- (3) - ESTABLISHED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (3) - US-INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

P R E L I M I N A R Y E S T I M A T E S
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 U T A H

PROJECT NAME	IDNT #	NAME OF STREAM	PROJ#	LATITUDE	DRAINAGE	AVERAGE	NET	HEIGHT	MAXIMUM	CAPACITY	ENERGY
	(1)	CR RIVER	PURP#	(DM,M)	AREA	ANNUAL	POWER	OF	STORAGE		
			(2)	(SG MI)	(SQ MI)	INFLW	HEAD	DAM	(1000	(MWH)	(3)
						(CFS)	(FT)	(FT)	AC FT)	(3)	(3)
COUNTY NAME:	SANPETE			FERC POWER SUPPLY AREA 41	FERC REGIONAL OFFICE CODE SF						
MOUNTAIN SPRINGS POWERHOUSE	AUT00067	MANTI CREEK	M	39 15.4	27.0	31.0	2610.0	0.0	0.0	0.0	2.4
	SPK0864			111 37.3							46.7
UPPER MOUNT PLEASANT CREEK	AUT00605	PLEASANT CREEK	M	39 32.0	1.0	2.0	415.0	0.0	0.0	0.0	0.1
SANT POWERHOUSE	SPK0865			111 21.6							0.4
FOUNTAIN GREEN POWERHOUSE	AUT00766	BIG SPRINGS	M	39 38.5	1.0	1.0	200.0	0.0	0.0	0.0	1.3
	SPK0866			111 40.0							0.0
COUNTY NAME:	BEVIER			FERC POWER SUPPLY AREA 41	FERC REGIONAL OFFICE CODE SF						
FORSYTH	AUT00117	EAST FORK OF FREMONT RIVER	M	36 51.0	70.0	37.0	50.0	50.0	3.0	0.0	0.0
	SPK0687			111 31.9							1.2
JOHNSON	AUT00153	SEVEN MILE CREEK	M	36 5.5	25.0	15.0	23.0	31.0	15.0	0.0	0.0
	SPK0868			111 58.0							0.5
THREE CREEKS RESERVOIR	AUT00298	THREE CREEKS	M	36 37.7	10.0	15.0	71.0	64.0	2.0	0.0	0.0
	SPK0889			112 25.3							0.7
LOWER MONROE POWERHOUSE	AUT00602	MONROE CREEK	M	36 36.0	39.0	24.0	284.0	0.0	0.0	0.0	0.4
	SPK0690			112 7.0							4.1
UPPER MONROE POWERHOUSE	AUT00803	MONROE CREEK	M	36 56.5	39.0	24.0	1450.0	0.0	0.0	0.0	0.5
	SPK0691			112 6.0							26.3
COUNTY NAME:	SUMMIT			FERC POWER SUPPLY AREA 41	FERC REGIONAL OFFICE CODE SF						
JEREMY POINT	AUT00010	EAST CANYON CREEK	M	40 48.0	208.0	284.0	112.0	151.0	37.0	0.0	0.0
	SPK0692			111 35.0							12.3
LOWER LARABEE POWERHOUSE	AUT00011	WEBER RIVER	M	40 48.0	75.0	102.0	100.0	135.0	9.0	0.0	0.0
	SPK0693			111 5.0							6.0

L E G E N D

(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.
(2) - PROJECT PURPOSES IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION,
DESERT CONTROL, PASTURE, OTHER
(3) - # INSTALLED CAPACITY AND ENERGY
(3) - # INSTALLED CAPACITY AND ENERGY (FOR EXISTING DAMS)
(3) - # INSTALLED CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

P R E L I M I N A R Y E S T I M A T E S
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 U T A H

PROJECT NAME	IDENT #	STREAM	PROJ #	PURP #	OWNER	LATITUDE	LONGITUDE	ORAINAGE AREA	ANNUAL INFLOW	POTENTIAL HEAD	NET HEIGHT	MAXIMUM STORAGE CAPACITY	ENERGY (MWH)
	(1)		(2)	(2)		(UM,M)	(SM,MI)	(SQ,MI)	(CFS)	(FT)	(FT)	(AC,FT)	(3)
***** COUNTY NAME: SUMMIT *****													
SILVER CREEK	UT00012	SILVER CREEK				40 41.5	111 28.0	20.0	18.0	52.0	70.0	20.0	0.0
	SPK0894												.13
SOUTH FORK WEBER RIVER	UT00013	SOUTH FORK WEBER RIVER				40 45.0	111 14.0	163.0	222.0	72.0	97.0	1.0	0.0
	SPK0895												3.26
HEINERS CREEK	UT00134	HEINERS CREEK			DESENET LIVER	41 4.0	111 18.9	18.0	20.0	24.0	24.0	0.0	0.0
	SPK0896				STOCK CO								.16
HOOP LAKE	UT00143	EAST FORK OF BEAVER LAKE			BEAVER LAKE RES	40 55.4	110 7.5	8.0	7.0	31.0	36.0	5.0	0.0
	SPK0897				BEAVER LAKE RES								.08
WHITNEY RESERVOIR	UT00324	WEST FORK OF BEAVER LAKE			BEAVER LAKE RES	40 50.3	110 55.6	7.0	9.0	55.0	66.0	5.0	0.0
	SPK0898				MILL CREEK								.07
ECHO RESERVOIR	UT10120	WEBER RIVER				40 57.8	111 25.9	732.0	200.0	44.0	110.0	74.0	0.0
	SPK0900				USBR								5.05
ROCKPORT LAKE	UT10131	WEBER RIVER				40 47.4	111 24.2	332.0	162.0	111.0	150.0	76.0	1.43
	SPK0900				USBR								1.66
***** COUNTY NAME: TOOLE *****													
SETTLEMENT CANYON	UT00270	SETTLEMENT CANYON				40 30.7	110 17.8	18.0	17.0	65.0	82.0	1.0	0.0
	SPK0901				IRR CO								.15
***** COUNTY NAME: UTAH *****													
SPLIT MOUNTAIN RESERVOIR	UT00045	GREEN RIVER				40 25.5	109 17.5	2280.0	3600.0	315.0	0.0	335.0	0.0
	SPK0903												344.36
ASHLEY CREEK RESERVOIR	UT00046	ASHLEY CREEK				40 37.0	109 38.0	62.0	67.0	1700.0	0.0	0.0	0.0
	SPK0904												36.75

L E G E N D

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.
- (2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, SWATER SUPPLY, RECREATION, DRINKING CONTROL, BEAVER POND, OTHER
- (3) - INSTALLED CAPACITY AND ENERGY: NET INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (3) - UNINSTALLED CAPACITY AND ENERGY: TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/10/79)

P R E L I M I N A R Y E S T I M A T E S
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 U T A H

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PURPOSE (2)	OWNER	LATITUDE (DM.M)	LONGITUDE (DM.M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER OF DAM (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (GMH)	ENERGY (3)
COUNTY NAME: UTAH												
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE 3F												
OAKS PARK RESERVOIR	UT00234	BRUSH CREEK	IR	ASHLEY VALLEY	40 45.0	120.0	9.0	41.0	49.0	7.0	0.0	0.0
DIR	SPK0905			MES CO	109 37.1						.16	.2
STEINAKER RESERVOIR	UT10113	ASHLEY CREEK	OFFICSR	DDI USRR	40 30.0	20.0	16.0	110.0	132.0	40.0	0.0	0.0
DIR	SPK0906	STREAM			109 32.0						.80	1.1
COUNTY NAME: UTAH												
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE 3F												
ALTA TUNNEL POWERHOUSE	UT00017	LITTLE COTTONWOOD CREEK			40 54.0	27.0	25.0	650.0	0.0	0.0	0.0	0.0
	SPK0907				111 42.5						2.28	11.8
TIBBLE FORK	UT00299	NORTH FORK OF AMEC		UT CO WATER	40 28.9	35.0	32.0	40.0	47.0	0.0	0.0	0.0
	SPK0911	AMERICAN FORK		CONSERVATION	111 36.7						.18	.9
AMERICAN FORK POWERHOUSE	UT00305	AMERICAN FORK		UTAH POWER AND LIGHT	40 21.9	52.0	55.0	574.0	0.0	0.0	.95	6.5
	SPK0912				111 42.0						9.92	19.3
BARTOLOME POWERHOUSE	UT00051	MOBBLE CREEK		SPRINGVILLE MUN CORP	40 9.5	98.0	43.0	890.0	0.0	0.0	.50	2.0
	SPK0913				111 31.5						11.52	28.1
LOWER STRAWBERRY POWERHOUSE	UT00065	SPANISH FORK CREEK		STRAWBERRY TR USERS ASSN	40 4.8	0.0	175.0	48.0	0.0	0.0	.25	1.1
	SPK0914	SEK			111 36.2						0.0	0.0
OLMSTED POWERHOUSE	UT00068	PROVC RIVER		UTAH POWER AND LIGHT CO	40 18.7	640.0	83.0	340.0	0.0	0.0	12.70	59.3
	SPK0915				111 39.4						0.0	0.0
PAYSON POWERHOUSE	UT00069	PETEETNEET CREEK		STRAWBERRY TR USERS ASSN	40 5.8	26.0	24.0	636.0	0.0	0.0	.40	1.9
	SPK0916				111 42.5						1.75	9.2
UPPER STRAWBERRY POWERHOUSE	UT00087	SPANISH FORK		STRAWBERRY TR USERS ASSN	0.0	0.0	175.0	123.0	0.0	0.0	.90	5.2
	SPK0917				0.0						0.0	0.0

L E G E N D

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID, BOTTOM LINE DEFINES (U.S.A.C.L.) OFFICE AND SITE ID.
- (2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION, DEBRIS CONTROL, FISH PASSAGE, OTHER
- (3) - ESTABLISHED CAPACITY AND ENERGY INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (3) - UNINSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

P R E L I M I N A R Y E S T I M A T E S
P U 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 U T A H

PROJECT NAME	IDNT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ PURP (2)	OWNER	LATITUDE (DM.M)	LONGITUDE (DM.M)	AREA (SQ MI)	ANNUAL INFLOW (CF8)	NET ANNUAL POWER OF HEAD (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (MM)	MAXIMUM ENERGY (3) (3)
***** COUNTY NAMES *****												
***** FERC POWER SUPPLY AREA 41 *****												
***** FERC REGIONAL OFFICE CODE 8F *****												
STRABERRY RIVER	UT00015	STRABERRY RIVER			40 8.0	111 2.0	210.0	31.0	52.0	71.0	7.0	0.0
AT STINKING SPR	SPK0918											0.0
SVAR	UT00024	STRABERRY OFFST			40 7.0	111 .5	215.0	71.0	431.0	0.0	0.0	0.0
	SPK0919	REAM										4.0
HEBER POWERHOUSE	UT08057	PROVC RIVER		SPRINGVILLE MUN CORP	40 34.1	111 25.5	240.0	327.0	120.0	0.0	0.0	0.0
	SPK0920											2.0
SNAKE CREEK POWERHOUSE	UT08071	SNAKE CREEK		HEBER LIGHT AND PWR PLANT	40 33.6	111 31.7	.6	0.0	1095.0	0.0	0.0	0.0
	SPK0921											0.0
SNAKE CREEK POWERHOUSE	UT08072	SNAKE CREEK		UTAH POWER AND LIGHT CO	40 52.7	111 30.2	7.0	6.0	752.0	0.0	0.0	0.0
	SPK0922											1.0
DEER CREEK RESERVOIR	UT10117	PROVC RIVER		INCSDDUI USBR	40 24.0	111 52.0	560.0	377.0	140.0	150.0	161.0	0.0
	SPK0923											0.0
STRABERRY RESERVOIR	UT10135	STRABERRY RIVER		ICRU USBR	40 6.4	111 6.2	210.0	31.0	205.0	243.0	112.0	0.0
	SPK0924											0.0
***** COUNTY NAME: WAYNE *****												
***** FERC POWER SUPPLY AREA 41 *****												
***** FERC REGIONAL OFFICE CODE 8F *****												
THURBER RESERVOIR	UT00016	FREEMONT RIVER			38 15.6	111 30.0	700.0	44.0	35.0	48.0	47.0	0.0
	SPK0925											0.0
TAILRACE OF TOMMY TO CAPITOL	UT00049	FREEMONT RIVER			38 17.0	111 16.0	688.0	56.0	1240.0	0.0	0.0	0.0
	SPK0926											20.0
MILL MEADOW	UT00208	FREEMONT RIVER		PREMONT IRR CO	38 29.7	111 34.3	173.0	63.0	77.0	90.0	5.0	0.0
	SPK0927											2.0

***** L E G E N D *****

(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.

(2) - PROJECT PURPOSES: I=IRRIGATION, H=HYDROELECTRIC, C=CAFLOOD CONTROL, N=NONAVIGATIONAL, S=SEWER SUPPLY, R=RECREATION, D=DEBRIS CONTROL, P=PAN POND, O=OTHER

(3) - E=INSTALLED CAPACITY AND ENERGY, N=NET INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS), U=UNINSTALLED CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(07/10/79)

P R E L I M I N A R Y E S T I M A T E S
P U 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 U T A H

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PUMP (2)	OWNER (SU MI)	DRAINAGE AREA (SQ MI)	LATITUDE (DM.M)	LONGITUDE (DM.M)	ANNUAL FLOW (CFR)	AVERAGE ANNUAL FLOW (CFR)	NET HEAD (FT)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (MM)	ENERGY CAPACITY (MM)
PIONEER POWERHOUSE	UT04070	OGDEN RIVER		UTAH POWER AND LIGHT CO	41 14.0	111 56.7	310.0	10.0	423.0	0.0	0.0	5.00E	25.7
SE	SPK0928											0.0	0.0
WEBER PH	UT04085	WEBER RIVER		UTAH PH AND LIGHT CO	41 4.0	111 53.0	0.0	0.0	184.0	0.0	0.0	2.50E	19.3
	SPK0929											22.88E	47.3
CAUSEY RESERVOIR	UT10116	SOUTH FORK OGDEN RIVER		USBR	41 17.9	111 35.5	81.0	112.0	148.0	193.0	9.0	0.0	0.0
	SPK0930											2.79E	5.0
PINEVIEW RESERVOIR	UT10132	OGDEN RIVER		USBR	41 15.0	111 50.0	298.0	10.0	74.0	89.0	116.0	0.0	0.0
IR	SPK0931											1.63E	6.9

L E G E N D

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.
- (2) - PROJECT PURPOSES: I=IRRIGATION, H=HYDROELECTRIC, C=FLOOD CONTROL, M=NAVIGATION, S=SEWER SUPPLY, R=RECREATION, D=DEBRIS CONTROL, P=POND, O=OTHER
- (3) - E=INSTALLED CAPACITY AND ENERGY, N=NET 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 electrical 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 (MWH): 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 aggregate 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

DIVISION AND DISTRICT REPRESENTATIVES

DIVISION STUDY COORDINATORS

NATIONAL HYDROPOWER STUDY

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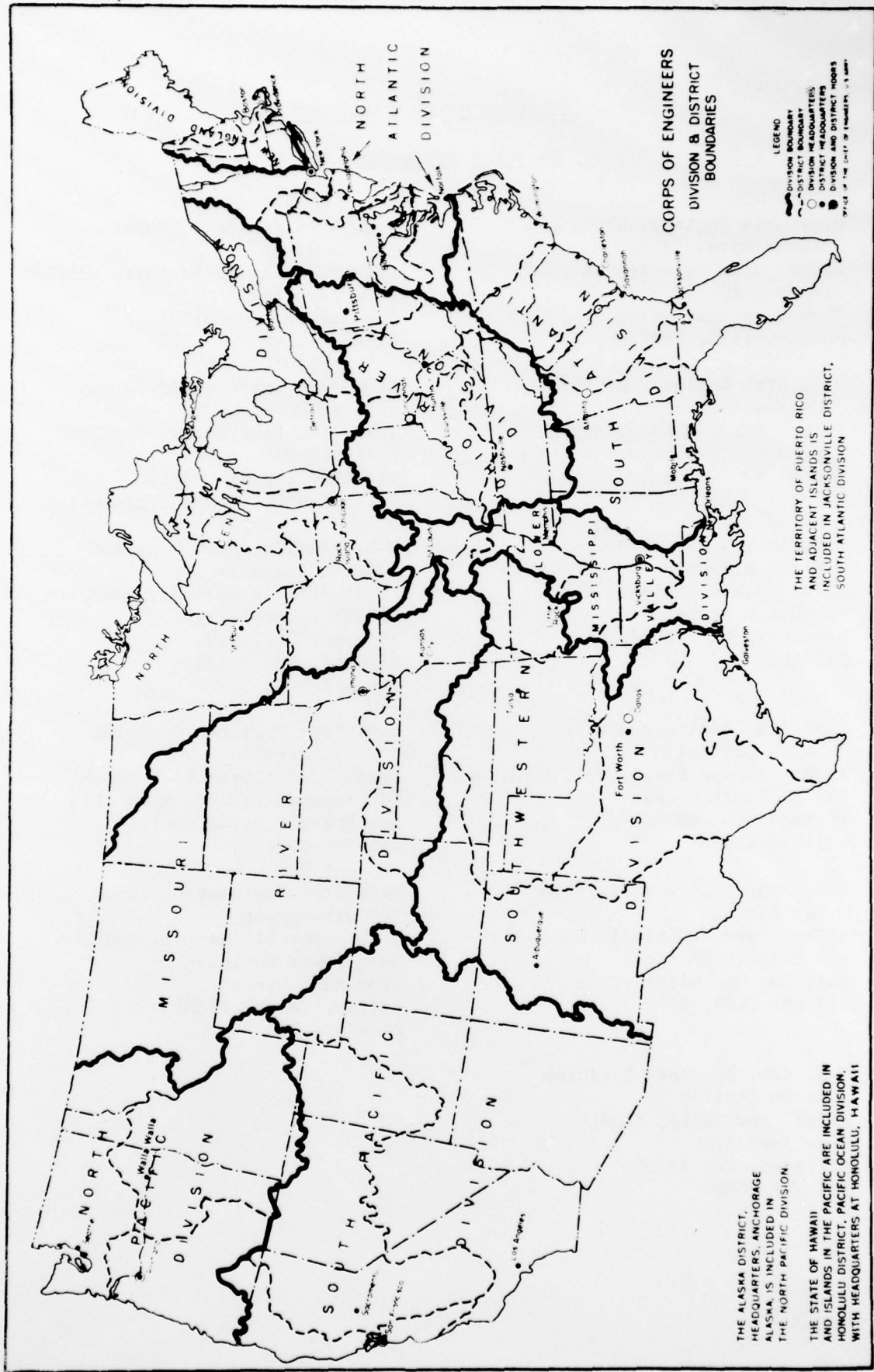
U.S. Army Engineer Division
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U.S. Army Engineer Division
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U.S. Army Engineer Division
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U.S. Army Engineer Division
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Kansas City
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Omaha
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919-343-9971, X447

U.S. Army Engineer District
Sacramento
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650 Capital Mall
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U.S. Army Engineer District
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ATTN: Hydro Study Rep
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U.S. Army Engineer District
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211 Main Street
San Francisco, CA 94105
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Albuquerque, NM 87103
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U.S. Army Engineer District
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Ft. Worth, TX 76102
817-334-2024

U.S. Army Engineer District
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Galveston, TX 77553
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U.S. Army Engineer District
Little Rock
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U.S. Army Engineer District
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918-581-7666