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EXECUTIVE SUMMARY

Natural Resources Management Corporation (NRM), established in Eureka, California in 1970, is an employee owned certified small business that specializes in forestry and environmental consulting. NRM is organized into two divisions – a *Forestry Division* offering a full range of forestry services (timber harvesting plans, land management, due diligence and appraisals) and an *Environmental Division* that conducts biological surveys and assessments, regulatory compliance, and land use planning. NRM provides multi-disciplinary professional services in natural resources inventory, analysis, appraisal, planning and management primarily throughout the western United States. NRM's professional staff includes experienced forestland and timber appraisers, forestland managers specializing in timber inventories and all aspects of timber resource planning, and a diverse environmental resources staff with specialists in the fields of wildlife, botany, fisheries, geology, hydrology, wetlands, and GIS cartography. For 39 years, NRM has been meeting the needs of clients in every sector – federal, state, and local agencies, private landowners, major timber companies, utility companies, law firms, and Native American tribes.

The services provided by NRM include wildlife management, watershed analysis, fisheries management, geology/watershed management, watershed rehabilitation, botanical surveys, range inventories, feasibility studies, environmental assessments, vegetative analysis, timber and timberland appraisal services, litigation support services, timber inventories, forest management, logging engineering, timber and log marketing and complete mapping services. The nature of these services is most commonly triggered by, or involves, regulatory compliance; the application of and adherence to a combination of local, state and federal environmental regulations. Consequently, NRM performs all of the permitting requirements and documentation necessary to comply with applicable regulations, for instance, the California Environmental Quality Act (CEQA), National Environmental Policy Act (NEPA), Clean Water and Air Acts, Endangered Species Act, Coastal Act and California Forest Practice Act, to name a few.

To meet the needs of clients, NRM offers an excellent array of natural resource managers with experience and insight into the regulatory framework. NRM's professional staff of resource specialists includes experienced botanists, wildlife and fisheries biologists, geologists, hydrologists, forest land appraisers, forest inventory specialists, logging engineers and general forest managers. The support staff provides computer, cartographic and clerical support personnel. NRM's facilities are well equipped with a mapping and drafting section, computer facilities, Map Info™ and Arc View™ Geographic Information Systems (GIS), resource library, a fleet of vehicles and an inventory of all necessary field equipment.

Regulations and methodologies for the management of natural resources are constantly undergoing changes. NRM's staff stays involved in professional organizations such as the California Licensed Foresters Association, the Appraisal Institute, the American Society of Farm Managers and Rural Appraisers, California Botanical Society, the Society of Wetland Scientists, the Geological Society of America, the Wildlife Society, Pacific Seabird Group, American Fisheries Society, Salmonid Restoration Federation, the California Native Plant Society, the Association of Consulting Foresters, Society of American Foresters and the Western Forestry and Conservation Association. This ensures current knowledge of changes in the sciences as well as technical and governmental regulations.

Areas of specific expertise include the following brief descriptions:

- **Appraisals:** NRM has two Certified General Real Estate Appraisers who conduct forestland appraisals, feasibility studies, marketing and negotiation services, and litigation support.
- **Botany and Wetlands:** NRM Botanists conduct surveys, habitat assessments, mitigation & monitoring plans, impact analyses, and consultations for endangered, threatened, and other special-status species. NRM Wetland Specialists conduct wetland assessments, delineations, typing & mapping, mitigation plans, monitoring plans, restoration plans, and invasive species management.
- **Cartography:** NRM's Cartographic Division has MapInfo & ArcView GIS capabilities.
- **Environmental Planning, Consultations, & Documentation:** NRM Environmental Planners and resource specialists prepare all types of documents and permit applications for CEQA & NEPA compliance, Fish and Game Code 1600 et seq. – Lake and Streambed Alteration Agreements, Clean Water Act Sec. 401 & 404 permit processes, and ESA Sections 7 & 10 consultations, etc.
- **Fisheries:** NRM Fisheries Biologists conduct surveys and habitat assessments, prepare management guidelines and mitigation and monitoring plans, participate in ESA Section 7 & 10 consultations, and prepare watershed analysis documents under the Federal and Washington DNR methods.
- **Forestry & Forest Engineering:** NRM's staff includes several Registered Professional Foresters who prepare timber harvest plans, non-industrial timber management plans, and land management plans for a diversity of private landowner and industry clientele, conduct timber inventories, data analysis, and valuation, and prepare site appropriate harvesting and transportation systems that minimize cost, maintain safety, and reduce impacts to the soil, water, wildlife, and other forest resources. Foresters also prepare and administer harvesting and road work contract activities and log sales.
- **Geology & Watershed Hydrology:** NRM's Geologist and Hydrologist conduct geomorphic mapping, aerial-photograph interpretation, erosion and sediment inventories, treatment prescriptions, culvert risk analyses, stream profiles, hydrologic analyses, impact assessments, cumulative effects analyses, and watershed analyses.
- **Wildlife:** NRM Wildlife Biologists conduct surveys, habitat assessments, impact assessments, mitigation plans, and endangered & special-status species consultations.

More detailed descriptions of NRM's areas of expertise include the following:

TIMBER INVENTORIES, APPRAISALS, AND LITIGATION SUPPORT

NRM has performed general management inventories, appraisal inventories (for purchase or sale) and litigation inventories throughout the western U.S., and Alaska on both public and private lands. NRM maintains a full-time inventory staff that provides quality control and a quick response to inventory requests. NRM's in-house computer programming provides job-specific computer programs and customized inventory reports. NRM routinely provides inventory services for clients who have an in-house inventory system but do not have the necessary field personnel. Appraisal services have included valuations for federal 631a capital gains, inheritance tax considerations, general appraisal values, acquisition, disposal, and condemnation appraisals. NRM's two chief appraisers each have over 25 years of experience as forestry consultants and forestland appraisers.

NRM also provides the necessary pre-trial and post-trial expertise to provide law firms with the technical and professional knowledge of key forestry-related issues. NRM has provided expert testimony regarding general forest management, silvicultural applications, timber inventory issues, and timber sale contract disputes. NRM's cartographic staff and mapping facilities provide graphics and court exhibits to support the testimony.

FOREST MANAGEMENT SERVICES

NRM provides direct management services on more than 70,000 acres of timberland for clients in northwestern California. These services include the recommendation of silvicultural treatments, the planning, writing and implementation of the timber harvesting plans, supervision of site preparation and reforestation activities, logging accounting and comprehensive logging administration. NRM routinely authors forest management plans and supervises implementation for large and small land owners. NRM's biologists and botanists assist our foresters in statutory compliance through the preparation of harvesting plans thereby providing multi-disciplinary input to better assure adequate biological evaluations and environmental assessments. NRM also provides administrative and business management services by conducting logging administration and logging accounting throughout the sale process. All facets of forestry and harvesting from planning and permitting through approvals and sales are conducted by NRM professionals with long histories in the practice of forestry.

NRM provides marketing and negotiation services for a full range of timberland activities. Services for our management clients include negotiating the best price for delivered logs, contract negotiations with loggers and truckers in relation to timber operations, and regularly negotiating rights-of-way fees and easement acquisitions. NRM has also been involved in the negotiations for partitioning large industrial forest property. NRM's services have included involvement in the negotiations for public and private land exchanges and for timberland acquisitions for its clients.

WILDLIFE BIOLOGY

NRM provides clients with a comprehensive wildlife assessment program, emphasizing inventory and management of T&E and sensitive wildlife species. During the last several field seasons NRM has employed numerous seasonal biological technicians and has conducted inventories for a variety of protected, endangered, and threatened species, and species of special concern. NRM has become specialized in surveying protected, endangered and threatened species. Since 1991, NRM has conducted roughly 4,500 marbled murrelet surveys and inventoried more than 250,000 acres for northern spotted owls. Extensive surveys have also been conducted for the northern goshawk, red tree vole, golden eagle, great gray owl, and Pacific fisher, as well as various amphibians, reptiles, and mollusks. Staff wildlife biologists, working in conjunction with aerial photo interpretation specialists, have assisted in the modification of the California Wildlife Relationships (WHR) System to provide the level of site specific information required for biological evaluations associated with specific wildlife habitat assessments and various proposed projects. NRM's wildlife biologists have conducted both California and Federal Endangered Species Act consultations. Information gathered from surveys has supported project permitting, BA/BE reports for CEQA/NEPA requirements, and other numerous reports for project documentation.

BOTANICAL

The NRM staff botanists perform in-depth botanical evaluations and field surveys for the presence and potential habitat of sensitive (rare, threatened, and endangered) plant and lichen species, with particular expertise in the regions of Northern California, the Sierra Nevada Mountains and Oregon. Botanical surveys are typically implemented for environmental and biological assessments and as a part of responsible planning for land development and various proposed actions by state and federal governments and landowners. NRM conducts wetland assessments and delineations and prepares and implements wetland mitigation and monitoring plans for projects across the region, including in the Coastal Zone. NRM also conducts aerial photographic analyses (with field verification) to delineate riparian and other

vegetation types and determine habitat quality and quantity. Our botanists are experienced in various vegetation sampling techniques including relevé and rapid assessment methodologies.

NRM's botanical and wetlands expertise has been provided for various planning and management guiding documents such as Watershed Analyses, Environmental Impact Reports, Environmental Assessments, Management Plans, and a Local Coastal Program update. The diverse clientele of NRM's botanical and wetlands services includes industrial and non-industrial forest ownerships, the U.S.D.A. Forest Service and other federal agencies, state agencies, numerous private landowners of residential and business parcels, developers, utility companies, and non-profit organizations. Routine work products include the preparation and implementation of mitigation plans, planting plans, and monitoring plans to avoid, minimize, or mitigate impacts to sensitive species and habitats in various ecological settings such as wetlands, timberlands, and grazing lands.

FISHERIES

NRM's fisheries biologists have experienced a wide variety of fisheries, wildlife, watershed, gravel extraction, and forestry work on public and private land. Work experience includes fish and amphibian habitat and impact assessment, fish species composition and distribution, downstream migrant fish trapping, electrofishing studies, riparian condition surveys, water temperature monitoring, road-related erosion and sediment source inventories, and culvert risk analysis. They have participated in a number of projects on mainstem rivers related to flood control, sediment transport and extraction, project-related impact assessment and permitting, and habitat analyses. NRM fisheries biologists routinely work with the other skilled staff at NRM and/or its associates to assist utility companies in meeting Federal Energy Regulatory Commission (FERC) re-licensing requirements and mining industry compliance regulations. The biologists have prepared fisheries and watershed sections for an Environmental Impact Statement (EIS), federal and private Watershed Analyses, Environmental Assessments (EA), Biological Assessments (BA), and watershed rehabilitation plans. They have been involved in Multi-Species Habitat Conservation Plans (MSHCP) and have contributed to various California Environmental Quality Act (CEQA) documents. The NRM fisheries biologists have participated in several Endangered Species Act (ESA) Section 7 consultations with the U. S. Army Corps of Engineers (ACOE) and National Marine Fisheries Service (NMFS).

SPECIES MONITORING & HABITAT TYPING

The list of species that NRM has monitored comprises a very impressive list among birds, fish, amphibians, reptiles, plants, lichen, fungi, mammals, and mollusks. NRM has conducted biological assessments in an exhaustive number of habitats, each presenting a unique set of species. NRM is experienced in habitat and biological assessments in and/or near coastal dunes, salt marshes, prairies, grass lands, oak woodlands, coastal and montane coniferous forests, riparian forests, wetlands and serpentine zones. In each of these habitats, NRM biologists and botanists employ invaluable professional field experiences to properly assess subtle, yet important, facets of species behavior and occurrences.

GEOLOGY AND HYDROLOGY

NRM's geologist performs aerial photograph interpretation and geologic hazard evaluations that include information on rock types, geologic history, geologic structure, tectonics, slope stability, landslide and sediment transport processes, soil erosion and land use history. NRM conducts road system investigations to identify and map areas and structures that are failing or prone to failure and plans rehabilitation or mitigation projects relating to sediment control. Furthermore, NRM has a staff member certified as a *Professional Soil Erosion and Sediment Control Specialist* by the Soil and Water Conservation Society.

NRM also has a staff hydrologist that evaluates erosion and sediment sources on roads and landings, investigates hillslope stability, assesses stream channel impacts and aquatic habitat, maps and classifies watercourses and conducts riparian surveys. NRM's hydrologist conducts aerial photograph interpretation to analyze road construction history, landslide activity and other erosion processes. This experience in designing and directing road rehabilitation projects on public and private landholdings has proven to be of critical importance for a number of different project types.

COMPANY STRUCTURE

NRM Management William S. Dann, President, Chief Executive Officer
Robert Kelley, Vice President
Frank Mileham, Business Management, Corporate Treasurer
Juanita Petersen, Business Manager, Corporate Secretary

Personnel William S. Dann, Registered Professional Forester
Robert Kelley, Registered Professional Forester, CPESC
Frank Mileham, Registered Professional Forester, Appraiser
Stanley Richards, Registered Professional Forester, Appraiser
Paul Grunden, Registered Professional Forester
Merritt Lindgren, Registered Professional Forester
Jason Meyer, MS, Wildlife Management
Brad Norman, Wildlife Biologist; Herpetologist
Prairie Moore, M.S., Staff Botanist
Birgit Semsrott, M.A., Staff Botanist
Susan Wright, Staff Botanist/Biologist, Microbiology
Sherman Garinger, GIS Manager/Cartographer, Geologist
Sandra Brown, M.S., Staff Hydrologist, GIS Support and Data Base Specialist
Tony Gomez, Staff Forester
Rob Dann, Staff Forester
Richard Kroll, Staff Forester
Juanita Petersen, Data/Word Processing
Jacque Murphy, Data/Word Processing