

**CURRENT RESEARCH AND RESOURCE MANAGEMENT ACTIVITIES  
DENALI NATIONAL PARK AND PRESERVE - 1997**

5/1/97

Population Dynamics of Wolves and Their Prey in a Subarctic Ecosystem	Layne Adams USGS-BRD
Access to Denali NP&P	Frederick Baylor
Air Quality Monitoring	Andrea Blakesley National Park Service
Healy Clean Coal Plant Monitoring (Mitigation Agreement)	Andrea Blakesley National Park Service
Glacier Monitoring	Phil Brease National Park Service
Monitoring the Drunken Forest and Other Mass Movements in Denali	Phil Brease National Park Service
Monitoring of Soil Slumps Along Park Road	Phil Brease National Park Service
Road Gravel Loss Survey	Phil Brease National Park Service
Soils Inventory and Mapping for Denali NP & P	Phil Brease National Park Service
Park Oral History	Jane Bryant National Park Service
Spatial and Demographic Characteristics of Wolf Population Change - Denali NP & P	John Burch Gates of the Arctic NP & P
Plant Distribution Collections - National Park Service	Steve Carwile National Park Service
Volcanism Along an Intercontinental Plate Boundary, the Denali Fault and Cantwell Formation	Ronald Cole Allegheny College
Insects Associated with Galls on <i>Salix barclayi</i> and <i>Salix lanata</i> in Denali NP & P	Dominique Collet
Alaska-Yukon Waterfowl Breeding Population Survey	Bruce Conant U.S. Fish & Wildlife Service
Monitoring Avian Productivity and Survivorship (MAPS) in Denali NP & P	Dr. David DeSante The Institute for Bird Populations
Grizzly Bear Ecology	Dr. Frederick Dean University of Alaska-Fairbanks
Monitoring the Recovery of Sites Disturbed by Lode Mining-Slippy Cr.	Dr. Roseann Densmore USGS-BRD

Teklanika River LTEM Vegetation Plots	Dr. Roseann Densmore USGS-BRD
Revegetation Research Related to Construction Activities in DNP&P	Dr. Roseann Densmore USGS-BRD
Riparian Ecosystem Recovery on Glen Creek	Dr. Roseann Densmore USGS-BRD
Vegetation Monitoring Protocol Development	Dr. Roseann Densmore USGS-BRD
Production and Availability of Berries Important to Grizzly Bears	Dr. Roseann Densmore USGS-BRD
Remote Sensing to Assess Vegetation Phenology and Berry Production/Availability	Dr. Dave Douglas USGS-BRD
Airborne Laser Profiling of Glacier Surface Elevations	Keith Echelmeyer University of Alaska- Fairbanks
Arctic - Alpine Lepidoptera Species	Dr. Clifford Ferris University of Wyoming
Initiation of a Database for the Muldrow Glacier	P. Fleisher State Univ. of N.Y., College at Oneonta
Dynamics of Wolf/Bear-Ungulate Systems and Wolf Societies	Dr. Gordon Haber
Customary and Traditional Use of Cabins and Shelters Related to Subsistence	Darryll Johnson Univ. of Washington
Studies of the Breeding Distribution of the Pacific Golden-Plover	Dr. Oscar Johnson Montana State University
Concession Use Statistics - Denali NP & P	Chris Jones National Park Service
Hydrologic Monitoring Protocol Development for LTEM Program at DNP&P	Kenneth Karle National Park Service
Channel Response to Rehabilitation--Glen Creek Area	Kenneth Karle National Park Service
Long Term Monitoring of Gravel Extraction in the Toklat River	Kenneth Karle National Park Service
Effects of Park Road Dust Palliative Applications on Water Quality	Kenneth Karle National Park Service
Flood Plain Delineation in the Park Road Corridor	Kenneth Karle National Park Service

Teklanika River Gravel Assessment	Kenneth Karle National Park Service
Wetlands Inventory for Denali NP & P	Kenneth Karle National Park Service
Slate Cr. Restoration - Denali NP & P	Kenneth Karle National Park Service
Development of a Computer Enhanced Plant Identification and Location Software	Dr. John Kartesz University of North Carolina-Chapel Hill
Development of a Vouchered Plant List and Location of Past Plant Collection Material - Denali NP & P	Dr. John Kartesz University of North Carolina-Chapel Hill
Grizzly Bear Population Ecology in Denali National Park and Preserve	Dr. Jeffrey Keay USGS-BRD
A Determination of the Effects of Road Traffic on Dall Sheep Migration in Denali NP & P	Dr. Jeffrey Keay USGS-BRD
Fungi of DNP&P: Glen Creek, LTEM, Fungal Survey and Inventory	Dr. Gary Laursen University of Alaska-Fairbanks
South Side Archeological Reconnaissance - Denali NP & P	Karlene Leeper National Park Service
Monitoring Freeze/Thaw Transition on a Regional Scale in Boreal Forests Using the ADEOS Satellite	Kyle McDonald NASA, Jet Propulsion Laboratory
Nesting Ecology and Population Dynamics of Golden Eagles in Denali NP&P	Carol McIntyre National Park Service
Monitoring Dispersal of Gyrfalcon Young from Denali NP & P	Carol McIntyre National Park Service
Assessing Breeding and Wintering Habitat of Golden Eagles - Denali NP & P	Carol McIntyre National Park Service
Determining Critical Factors for Visitor Satisfaction on Public Transportation Systems in Denali NP & P	Craig Miller Idaho Cooperative Parks Studies Unit
Inventory and Monitoring: Aquatic Macroinvertebrates	Dr. Alexander Milner University of Alaska-Anchorage
Parkwide Ethnographic Study - Denali NP & P	NPS-ARO National Park Service
Weather Conditions on Mt. McKinley	Yoshitomi Okura Japanese Alpine Club

Traffic Statistics for the Park Road, Denali NP & P	Gordon Olson National Park Service
Monitoring Recreation Use at Development Nodes - Park Road and in Kantishna	Gordon Olson National Park Service
Fuels Mapping and Fire Management Planning for the Riley Creek Area of DNP&P	Jan Passek National Park Service
Fire Monitoring Plots	Jan Passek National Park Service
NPS Wildfire Activity Monitoring	Jan Passek National Park Service
Lepidoptera & Bombidae Inventory of Mt. McKinley National Park	Dr. Kenelm Philip University of Alaska
Soil/Water Chemical Relationships in Rock Creek	Chien-Lu Ping University of Alaska-Fairbanks
Soils Monitoring Protocol Development	Chien-Lu Ping University of Alaska-Fairbanks
Cretaceous Megaflora and Microflora Fossils of the Cantwell Formation	Sabra Reid University of Alaska-Fairbanks
Development of a Small Mammal Monitoring Protocol for Denali NP&P	Dr. Eric Rexstad University of Alaska-Fairbanks
Small Mammal Inventory in Park Road Corridor and at 1956 Viereck Study Plots	Dr. Eric Rexstad University of Alaska-Fairbanks
Meteorological Monitoring	James Roush National Park Service
Meteorological Monitoring (RAWS)	James Roush National Park Service
Snow Surveys	James Roush National Park Service
Denali Seismic Monitoring Sites	Charlotte Rowe University of Alaska-Fairbanks
White Spruce Seed Movements at Treeline: Dispersal Patterns in Denali NP&P	Scott Rupp University of Alaska-Fairbanks
Sheep Census	Ken Stahlnecker National Park Service

Wolf Population and Movement Monitoring	Ken Stahlnecker National Park Service
Denali Caribou Herd - General Surveys, Herd History, and Movements	Ken Stahlnecker National Park Service
Moose Surveys	Ken Stahlnecker National Park Service
Raptor Inventory and Monitoring (Eagles, Gyrfalcon, Merlin, etc)	Ken Stahlnecker National Park Service
Monitoring Denali Road Traffic Impact on Wildlife	Ken Stahlnecker National Park Service
Xmas Bird Count	Ken Stahlnecker National Park Service
Breeding Bird Survey	Ken Stahlnecker National Park Service
Exotic Plant Population Monitoring and Mitigation	Ken Stahlnecker National Park Service
Rare Plant Population Inventory	Ken Stahlnecker National Park Service
Bear/Human Conflict Management Program and BIMS Data	Ken Stahlnecker National Park Service
Northern Shrike Monitoring	Ken Stahlnecker National Park Service
NPS Fisheries Monitoring	Ken Stahlnecker National Park Service
Monitoring Human Impact to Vegetation Along the Park Road Corridor, Denali NP & P	Ken Stahlnecker National Park Service
Waterfowl Inventory and Monitoring (Swans, Loons, etc.)	Ken Stahlnecker National Park Service
North American Migration Count	Ken Stahlnecker National Park Service
Snowmachine Use Monitoring	Ken Stahlnecker National Park Service
Aircraft Use Monitoring	Ken Stahlnecker National Park Service
Effects of Dust and Dust Palliative Applications on Park Road Vegetation and Soils	Ken Stahlnecker National Park Service
Black Bear Habitat Use Areas - South Slope Denali NP & P	Ken Stahlnecker National Park Service

Revegetation Program - Denali NP & P	Ken Stahlnecker National Park Service
Aerial Radio Tracking of Moose - Denali NP & P	Ken Stahlnecker National Park Service
Identification of Olive Sided Flycatcher Territories	Ken Stahlnecker National Park Service
Testing the Use of Bus Drivers as a Way to Monitor Traffic Impacts on Wildlife	Dr.Dale Taylor USGS-BRD
McKinley Quadrangle Geologic Mapping	Alison Till U.S. Geological Survey
Physical and Chemical Characterization of Streams and Rivers in Denali NP&P	Mike Tranel National Park Service
Cabin Inventory	Hollis Twitchell National Park Service
List of Classified Structures for Denali NP & P	Hollis Twitchell National Park Service
Ecology of Moose in Denali NP & P	Dr.Vic Van Ballenberghe U.S. Forest Service
Fox Den Monitoring	Joe Van Horn National Park Service
Terrestrial Invertebrate Monitoring Protocol Development	Joe Van Horn National Park Service
Backcountry Use Monitoring	Joe Van Horn National Park Service
Mineral Licks of Denali NP&P	Joe Van Horn National Park Service
Landcover Mapping for Denali NP & P	Sara Wesser National Park Service
U.S. Forest Service Aerial Detection Surveys for Forest Insect Outbreaks.	Bob Wolfe U.S. Forest Service
Behavioral Response of Wildlife to Traffic Along the Denali Park Road, Denali NP & P	Dr.R. Wright Idaho Cooperative Parks Studies Unit

5/7/97

**RESEARCH AND RESOURCE MANAGEMENT ACTIVITIES  
DENALI NATIONAL PARK AND PRESERVE - 1997**

STUDY TITLE : Wolf Population and Movement Monitoring  
INVESTIGATOR: Ken Stahlnecker  
AFFILIATION : National Park Service  
START :  
ACTIVITY PERIODS : All year  
LOGISTICS: Both aircraft and ground crews will be used for summer homesite monitoring. Possible reports of low flying aircraft or people in closures. Closure entries will be coordinated with Dispatch or District Ranger.  
PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Denali Caribou Herd - General Surveys, Herd History, and Movements  
INVESTIGATOR: Ken Stahlnecker  
AFFILIATION : National Park Service  
START :  
ACTIVITY PERIODS : All year  
LOGISTICS: Aerial radio tracking throughout the year. Dispatch will be notified of flight activities  
PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Meteorological Monitoring  
INVESTIGATOR: James Roush  
AFFILIATION : National Park Service  
START :  
ACTIVITY PERIODS : All year  
LOGISTICS: Primary activity area is Rock Creek at this time. Weather towers are on west ridge of creek and could cause questions. A station is now at Wonder Lake Ranger Station. Other stations are in more remote portions of park.  
PARK LIAISON : Phil Brease, James Roush

STUDY TITLE : Meteorological Monitoring (RAWS)  
INVESTIGATOR: James Roush  
AFFILIATION : National Park Service  
START :  
ACTIVITY PERIODS : All year  
LOGISTICS: Helicopter use required to get to sites, primarily during summer when FirePro helicopter is in Park.  
PARK LIAISON : James Roush

STUDY TITLE : Air Quality Monitoring  
INVESTIGATOR: Andrea Blakesley  
AFFILIATION : National Park Service  
START :  
ACTIVITY PERIODS : All year  
LOGISTICS: Possible questions about air quality equipment which is located above the Headquarters area on the west side of Rock Cr.  
PARK LIAISON : Phil Brease, Andrea Blakesley

STUDY TITLE : Park Oral History  
INVESTIGATOR: Jane Bryant  
AFFILIATION : National Park Service  
START :  
ACTIVITY PERIODS : All Year  
LOGISTICS: None  
PARK LIAISON : Jane Bryant

STUDY TITLE : Monitoring Freeze/Thaw Transition on a Regional Scale in  
Boreal Forests Using the ADEOS Satellite  
INVESTIGATOR: Kyle McDonald  
AFFILIATION : NASA, Jet Propulsion Laboratory  
START :  
ACTIVITY PERIODS : All year  
LOGISTICS: Two data logger units with a small box to house the equipment are installed, one between  
the Auto Shop and the Rock Cr. Trail and one 50m south of the Road at Mile 10.  
PARK LIAISON : Joe Van Horn

STUDY TITLE : Snowmachine Use Monitoring  
INVESTIGATOR: Ken Stahlnecker  
AFFILIATION : National Park Service  
START :  
ACTIVITY PERIODS : Winter months  
LOGISTICS: Coordination of flights and patrols with Ranger staff.  
PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Aircraft Use Monitoring  
INVESTIGATOR: Ken Stahlnecker  
AFFILIATION : National Park Service  
START :  
ACTIVITY PERIODS : All year  
LOGISTICS: None really, possible interviews of air taxi operations, observations of flight activities in  
certain portions of park, and inventory of landing sites.  
PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Aerial Radio Tracking of Moose - Denali NP & P  
INVESTIGATOR: Ken Stahlnecker  
AFFILIATION : National Park Service  
START :  
ACTIVITY PERIODS : All Year  
LOGISTICS: Many of the moose that are collared are in the area between Headquarters and Savage R.  
so low flying or circling aircraft may be seen.  
PARK LIAISON : Ken Stahlnecker



STUDY TITLE : Population Dynamics of Wolves and Their Prey in a Subarctic Ecosystem  
INVESTIGATOR: Layne Adams  
AFFILIATION : USGS-BRD  
START : 5/3/96  
ACTIVITY PERIODS : Main activity is in May and early June. Periodic flying throughout the summer.  
LOGISTICS: Possible reports of low flying aircraft and radio collared animals as a result of this work. Flight activity will be filed with Dispatch.  
PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Airborne Laser Profiling of Glacier Surface Elevations  
INVESTIGATOR: Keith Echelmeyer  
AFFILIATION : University of Alaska-Fairbanks  
START : 5/5/96  
ACTIVITY PERIODS : 5/5/96 -5/7/96  
LOGISTICS: Flights will be in Ruth Glacier, Cantwell Glacier, and Toklat Glacier area. Researcher has been given radio frequencies of other air traffic in area and other users have been notified.  
PARK LIAISON : Phil Brease

STUDY TITLE : Monitoring the Recovery of Sites Disturbed by Lode Mining-Slippery Cr.  
INVESTIGATOR: Dr. Roseann Densmore  
AFFILIATION : USGS-BRD  
START : 6/1/96  
ACTIVITY PERIODS : Probably one trip during summer, if at all  
LOGISTICS: Possible helicopter flight to Slippery Cr. mine area.  
PARK LIAISON : Elaine Furbish, Joe Van Horn

STUDY TITLE : Exotic Plant Population Monitoring and Mitigation  
INVESTIGATOR: Ken Stahlnecker  
AFFILIATION : National Park Service  
START : 6/1/96  
ACTIVITY PERIODS : All summer  
LOGISTICS: Work will generally occur along road sides and developed areas, crews will be removing plants or setting out monitoring plots.  
PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Development of a Small Mammal Monitoring Protocol for Denali NP&P  
INVESTIGATOR: Dr. Eric Rexstad  
AFFILIATION : University of Alaska-Fairbanks  
START : 6/15/96  
ACTIVITY PERIODS : All summer  
LOGISTICS: Crew will be camped on alternate weeks in the upper part of Rock Creek. Will have grids of live traps set out in this area that might be seen by visitors.  
PARK LIAISON : Joe Van Horn, Ken Stahlnecker

STUDY TITLE : Cabin Inventory  
INVESTIGATOR: Hollis Twitchell  
AFFILIATION : National Park Service  
START : 6/18/96  
ACTIVITY PERIODS : All summer  
LOGISTICS: Cabins and ruins around the park will be visited by FirePro and cultural staff. Helicopter use to access some in more remote portions of park, probably use the helicopter assigned to FirePro if reports of helicopter landings/use are received.  
PARK LIAISON : Jan Passek

STUDY TITLE : Bear/Human Conflict Management Program and BIMS Data  
INVESTIGATOR: Ken Stahlnecker  
AFFILIATION : National Park Service  
START : 4/15/97  
ACTIVITY PERIODS : All summer  
LOGISTICS: Interdivisional coordination of program is outlined in Bear/Human Conflict Management Plan and Closure Procedures documents.  
PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Remote Sensing to Assess Vegetation Phenology and Berry Production/Availability  
INVESTIGATOR: Dr. Dave Douglas  
AFFILIATION : USGS-BRD  
START : 4/15/97  
ACTIVITY PERIODS : Early spring to Fall  
LOGISTICS: Technicians may be ground truthing aerial photos at sites along the road corridor and access more remote areas by helicopter.  
PARK LIAISON : Jeff Keay

STUDY TITLE : Inventory and Monitoring: Aquatic Macroinvertebrates  
INVESTIGATOR: Dr. Alexander Milner  
AFFILIATION : University of Alaska-Anchorage  
START : 4/21/97  
ACTIVITY PERIODS : Several sampling events throughout summer.  
LOGISTICS: Work is in Rock Creek drainage and streams along road corridor. Technicians will be collecting samples using nets in stream.  
PARK LIAISON : Penny Knuckles, Joe Van Horn

STUDY TITLE : A Determination of the Effects of Road Traffic on Dall Sheep Migration in Denali NP & P  
INVESTIGATOR: Dr. Jeffrey Keay  
AFFILIATION : USGS-BRD  
START : 4/30/97  
ACTIVITY PERIODS : All summer  
LOGISTICS: Technicians will be parked along road making observations of any sheep attempting to cross. They will be using government vehicles.  
PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Grizzly Bear Population Ecology in Denali National Park and Preserve  
 INVESTIGATOR: Dr. Jeffrey Keay  
 AFFILIATION : USGS-BRD  
 START : 5/1/97  
 ACTIVITY PERIODS : Heavy helicopter and fixed wing use in May, intermitant fixed wing rest of year. All summer for techs doing road observations and veg work on plots near the park road.  
 LOGISTICS: Reports of aircraft activity, but most should be west of Wonder Lake. Volunteer techs will be staying at East Fork Research Cabin and Toklat while making observations along park road throughout much of summer.  
 PARK LIAISON : Jeff Keay, Ken Stahlnecker

STUDY TITLE : Nesting Ecology and Population Dynamics of Golden Eagles in Denali NP&P  
 INVESTIGATOR: Carol McIntyre  
 AFFILIATION : National Park Service  
 START : 5/1/97  
 ACTIVITY PERIODS : Early May, and then again at end of June and early July, again at end of July and early August.  
 LOGISTICS: Helicopter is used to do aerial checks of nests. Nests are entered to band young. Reports could come in on these activities.  
 PARK LIAISON : Ken Stahlnecker, Joe Van Horn

STUDY TITLE : Monitoring Denali Road Traffic Impact on Wildlife  
 INVESTIGATOR: Ken Stahlnecker  
 AFFILIATION : National Park Service  
 START : 5/1/97  
 ACTIVITY PERIODS : Early Spring till road closure in September  
 LOGISTICS: Two technicians will be documenting traffic/wildlife interactions and vegetation impacts along the road corridor. Vehicles stopped observing wildlife for long periods of time and technicians establishing long term monitoring sites.  
 PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Northern Shrike Monitoring  
 INVESTIGATOR: Ken Stahlnecker  
 AFFILIATION : National Park Service  
 START : 5/1/97  
 ACTIVITY PERIODS : All summer  
 LOGISTICS: Most observations will be made as part of the other ongoing bird surveys this year so no additional concerns beyond those projects.  
 PARK LIAISON : Ken Stahlnecker, Joe Van Horn

STUDY TITLE : Dynamics of Wolf/Bear-Ungulate Systems and Wolf Societies  
 INVESTIGATOR: Dr. Gordon Haber  
 AFFILIATION :  
 START : 5/1/97  
 ACTIVITY PERIODS : 9/15/97  
 LOGISTICS: Haber will be entering some closed areas and making observations from the road. He is to inform Dispatch prior to entering any closures.  
 PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Monitoring Human Impact to Vegetation Along the Park Road Corridor, Denali NP & P  
INVESTIGATOR: Ken Stahlnecker  
AFFILIATION : National Park Service  
START : 5/1/97  
ACTIVITY PERIODS : All summer  
LOGISTICS: A technician will be developing an inventory of areas of human impact to vegetation along the road corridor. A person may be seen setting up photo points or reading vegetation plots adjacent to road.  
PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Traffic Statistics for the Park Road, Denali NP & P  
INVESTIGATOR: Gordon Olson  
AFFILIATION : National Park Service  
START : 5/1/97  
ACTIVITY PERIODS : All summer  
LOGISTICS: Staff will be working with other Divisions to develop a standard protocol for gathering visitor use statistics. Traffic counters along the park road will be checked regularly.  
PARK LIAISON : Gordon Olson

STUDY TITLE : Black Bear Habitat Use Areas - South Slope Denali NP & P  
INVESTIGATOR: Ken Stahlnecker  
AFFILIATION : National Park Service  
START : 5/1/97  
ACTIVITY PERIODS : Unknown at this time  
LOGISTICS: If study takes place this year, there will aircraft activity associated with capture and tracking of bears.  
PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Assessing Breeding and Wintering Habitat of Golden Eagles - Denali NP & P  
INVESTIGATOR: Carol McIntyre  
AFFILIATION : National Park Service  
START : 5/1/97  
ACTIVITY PERIODS : All Summer  
LOGISTICS: Researcher will be banding Golden Eagles, so observations of someone entering nests may be reported.  
PARK LIAISON : Ken Stahlnecker

STUDY TITLE : North American Migration Count  
INVESTIGATOR: Ken Stahlnecker  
AFFILIATION : National Park Service  
START : 5/10/97  
ACTIVITY PERIODS : 5/10/97  
LOGISTICS: Observer will travel the road as far as is permissible under the administrative use restrictions. Government vehicle will be used.  
PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Ecology of Moose in Denali NP & P  
 INVESTIGATOR: Dr. Vic Van Ballenberghe  
 AFFILIATION : U.S. Forest Service  
 START : 5/12/97  
 ACTIVITY PERIODS : Mid May to Mid June and then another period of activity from mid August through September.  
 LOGISTICS: Collared moose. Researchers will be observing moose at close range and have permission to enter a portion of the Jenny Cr. closure. Researchers are to contact patrol rangers and dispatch prior to activity in the closure or collaring.  
 PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Plant Distribution Collections - National Park Service  
 INVESTIGATOR: Steve Carwile  
 AFFILIATION : National Park Service  
 START : 5/15/97  
 ACTIVITY PERIODS : All summer  
 LOGISTICS: Possible reports of person with plant press collecting plants in park.  
 PARK LIAISON : Steve Carwile, Joe Van Horn

STUDY TITLE : Fox Den Monitoring  
 INVESTIGATOR: Joe Van Horn  
 AFFILIATION : National Park Service  
 START : 5/15/97  
 ACTIVITY PERIODS : All summer  
 LOGISTICS: Possible reports of technicians doing prolonged observation/parking by a den along road. All attempts will be made to not be visible from road when any off road dens are checked/observed.  
 PARK LIAISON : Joe Van Horn, Ken Stahlnecker

STUDY TITLE : Monitoring the Drunken Forest and Other Mass Movements in Denali  
 INVESTIGATOR: Phil Brease  
 AFFILIATION : National Park Service  
 START : 5/15/97  
 ACTIVITY PERIODS : Any time during summer  
 LOGISTICS: Possible reports of crews carrying survey equipment into backcountry south of Park Road at Mile 5 area or a helicopter landing in that area.  
 PARK LIAISON : Phil Brease

STUDY TITLE : Riparian Ecosystem Recovery on Glen Creek  
 INVESTIGATOR: Dr. Roseann Densmore  
 AFFILIATION : USGS-BRD  
 START : 5/15/97  
 ACTIVITY PERIODS : Primarily in mid to late August, but an occasional trip could occur at other times in the summer.  
 LOGISTICS: Road use by crews getting to Glen Creek. Helicopter flights from Moose Cr. pit. Use of vehicle to go up Moose Cr. to Camp. Helicopter use in the Glen Creek Area.  
 PARK LIAISON : Ken Karle, Ken Stahlnecker

STUDY TITLE : Hydrologic Monitoring Protocol Development for LTEM  
Program at DNP&P  
INVESTIGATOR: Kenneth Karle  
AFFILIATION : National Park Service  
START : 5/15/97  
ACTIVITY PERIODS : All summer  
LOGISTICS: Work is in Rock Creek. Technicians will be taking water measurements and samples.  
PARK LIAISON : Ken Karle

STUDY TITLE : Weather Conditions on Mt. McKinley  
INVESTIGATOR: Yoshitomi Okura  
AFFILIATION : Japanese Alpine Club  
START : 5/15/97  
ACTIVITY PERIODS : Through June possibly.  
LOGISTICS: Climbing party may be maintaining weather monitoring equipment at Denali Pass.  
PARK LIAISON : Phil Brease, James Roush

STUDY TITLE : Soil/Water Chemical Relationships in Rock Creek  
INVESTIGATOR: Chien-Lu Ping  
AFFILIATION : University of Alaska-Fairbanks  
START : 5/15/97  
ACTIVITY PERIODS : All summer  
LOGISTICS: Sampling is confined to Rock Creek. Possible reports/questions about the weather stations and instruments associated with the sample sites. As with other Rock Creek projects, some helicopter access required.  
PARK LIAISON : Phil Brease, Joe Van Horn

STUDY TITLE : Soils Monitoring Protocol Development  
INVESTIGATOR: Chien-Lu Ping  
AFFILIATION : University of Alaska-Fairbanks  
START : 5/15/97  
ACTIVITY PERIODS : All summer  
LOGISTICS: Sampling is confined to Rock Creek. Possible reports/questions about the weather stations and instruments associated with the sample sites. As with other Rock Creek projects, some helicopter access required.  
PARK LIAISON : Phil Brease

STUDY TITLE : Road Gravel Loss Survey  
INVESTIGATOR: Phil Brease  
AFFILIATION : National Park Service  
START : 5/15/97  
ACTIVITY PERIODS : Sampling will occur throughout summer  
LOGISTICS: Some confusion could develop over study because it uses survey equipment. People could think that road work is being planned given all the rumors of upgrading section to Teklanika to pavement.  
PARK LIAISON : Phil Brease

STUDY TITLE : NPS Wildfire Activity Monitoring  
 INVESTIGATOR: Jan Passek  
 AFFILIATION : National Park Service  
 START : 5/15/97  
 ACTIVITY PERIODS : All summer  
 LOGISTICS: Helicopter access to fire sites.  
 PARK LIAISON : Jan Passek

STUDY TITLE : Behavioral Response of Wildlife to Traffic Along the Denali  
 Park Road, Denali NP & P  
 INVESTIGATOR: Dr.R. Wright  
 AFFILIATION : Idaho Cooperative Parks Studies Unit  
 START : 5/15/97  
 ACTIVITY PERIODS : All summer  
 LOGISTICS: Graduate student will be doing observations along the road and possibly in some off road  
 areas for comparison. Will be using a government vehicle.  
 PARK LIAISON : Ken Stahlnecker

STUDY TITLE : White Spruce Seed Movements at Treeline: Dispersal  
 Patterns in Denali NP&P  
 INVESTIGATOR: Scott Rupp  
 AFFILIATION : University of Alaska-Fairbanks  
 START : 5/15/97  
 ACTIVITY PERIODS : Spring collection of seeds from last fall, and a late July or early August visit to sites to prepare  
 seed traps for the coming fall.  
 LOGISTICS: Traps are placed in first drainage west of Rock Cr. and in a forest patch west between  
 Jenny Creek and Savage River, two miles south of road. Researcher may be seen going  
 to these areas and packing equipment in and out.  
 PARK LIAISON : Joe Van Horn

STUDY TITLE : Monitoring Recreation Use at Development Nodes - Park  
 Road and in Kantishna  
 INVESTIGATOR: Gordon Olson  
 AFFILIATION : National Park Service  
 START : 5/15/97  
 ACTIVITY PERIODS : All Summer  
 LOGISTICS: Coordination with staff of different divisions to locate past information and gather future  
 information consistently  
 PARK LIAISON : Gordon Olson

STUDY TITLE : Revegetation Program - Denali NP & P  
 INVESTIGATOR: Ken Stahlnecker  
 AFFILIATION : National Park Service  
 START : 5/15/97  
 ACTIVITY PERIODS : All Summer  
 LOGISTICS: Technicians will be revegetating disturbed areas in the Headquarters, Road Corridor, and  
 Wonder Lake area. Other activities may include salvaging plant material before  
 construction takes place or seed picking in the Fall.  
 PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Teklanika River LTEM Vegetation Plots  
INVESTIGATOR: Dr. Roseann Densmore  
AFFILIATION : USGS-BRD  
START : 5/20/97  
ACTIVITY PERIODS : Any time during summer, but probably only one or two occasions at most.  
LOGISTICS: Helicopter landing on Teklanika River. Plots or landing could be reported by hikers. Flight will be coordinated with dispatch and local patrol staff notified.  
PARK LIAISON : Penny Knuckles, Joe Van Horn

STUDY TITLE : Vegetation Monitoring Protocol Development  
INVESTIGATOR: Dr. Roseann Densmore  
AFFILIATION : USGS-BRD  
START : 5/20/97  
ACTIVITY PERIODS : All summer  
LOGISTICS: Activity confined to Rock Creek watershed. Plots or techs could be reported by hikers.  
PARK LIAISON : Penny Knuckles, Joe Van Horn

STUDY TITLE : Effects of Park Road Dust Palliative Applications on Water Quality  
INVESTIGATOR: Kenneth Karle  
AFFILIATION : National Park Service  
START : 5/20/97  
ACTIVITY PERIODS : All summer.  
LOGISTICS: Dust collecting pans will be set out adjacent to treatment test strips and may be visible. Techs will be checking these and doing water and veg sampling in area. Small weather stations will also be set up near the test locations.  
PARK LIAISON : Ken Karle, Ken Stahlnecker

STUDY TITLE : Fuels Mapping and Fire Management Planning for the Riley Creek Area of DNP&P  
INVESTIGATOR: Jan Passek  
AFFILIATION : National Park Service  
START : 5/23/97  
ACTIVITY PERIODS : All summer  
LOGISTICS: FirePro techs will be mapping vegetation and possibly taking samples in Riley Cr. /Headquarters area.  
PARK LIAISON : Jan Passek

STUDY TITLE : Monitoring Avian Productivity and Survivorship (MAPS) in Denali NP & P  
INVESTIGATOR: Dr. David DeSante  
AFFILIATION : The Institute for Bird Populations  
START : 5/30/97  
ACTIVITY PERIODS : All Summer  
LOGISTICS: Crews have mist nets set up in Rock Cr., Mile 5, at 7 Mile and in Igloo Canyon. Techs will have road passes and cars will be parked near sites. They will sleep in vehicle in Igloo area, but this will be coordinated with local staff.  
PARK LIAISON : Penny Knuckles, Ken Stahlnecker



STUDY TITLE : Grizzly Bear Ecology  
 INVESTIGATOR: Dr. Frederick Dean  
 AFFILIATION : University of Alaska-Fairbanks  
 START : 6/1/97  
 ACTIVITY PERIODS : 1-2 weeks for each month of the summer.  
 LOGISTICS: Fred generally drives an old Volvo. Will be stopped along road observing bears. Very knowledgeable about rules and regulations. May day hike into upper Toklat area some this year. Staying at East Fork Research Cabin.  
 PARK LIAISON : Ken Stahlnecker, Joe Van Horn

STUDY TITLE : Raptor Inventory and Monitoring (Eagles, Gyrfalcon, Merlin, etc)  
 INVESTIGATOR: Ken Stahlnecker  
 AFFILIATION : National Park Service  
 START : 6/1/97  
 ACTIVITY PERIODS : All summer  
 LOGISTICS: Res. Mgt. techs will be observing raptor nests for long periods of time. Possible reports of people watching nests regularly as a result. Merlin nests are of primary interest at this time.  
 PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Glacier Monitoring  
 INVESTIGATOR: Phil Brease  
 AFFILIATION : National Park Service  
 START : 6/1/97  
 ACTIVITY PERIODS : Helicopter activity in early June and late August onto McKinlely glaciers. Helicopter and ground trips to other glacier termini throughout summer.  
 LOGISTICS: Possible reports of helicopters or crews carrying surveying equipment into backcountry.  
 PARK LIAISON : Phil Brease

STUDY TITLE : Monitoring of Soil Slumps Along Park Road  
 INVESTIGATOR: Phil Brease  
 AFFILIATION : National Park Service  
 START : 6/1/97  
 ACTIVITY PERIODS : Any time during summer  
 LOGISTICS: Surveying adjacent to road near Mile 20, 45, and possibly Thorofare Pass at times during summer  
 PARK LIAISON : Phil Brease

STUDY TITLE : Revegetation Research Related to Construction Activities in DNP&P  
 INVESTIGATOR: Dr. Roseann Densmore  
 AFFILIATION : USGS-BRD  
 START : 6/1/97  
 ACTIVITY PERIODS : Any time during summer.  
 LOGISTICS: Technicians may be seen reading plots along park road in Riley Creek area, Sable Pass, Thorofare Pass area.  
 PARK LIAISON : Ken Stahlnecker, Joe Van Horn

STUDY TITLE : Physical and Chemical Characterization of Streams and Rivers in Denali NP&P  
 INVESTIGATOR: Mike Tranel  
 AFFILIATION : National Park Service  
 START : 6/1/97  
 ACTIVITY PERIODS : All summer  
 LOGISTICS: Primarily data analysis, no major field work projected  
 PARK LIAISON : Mike Tranel, Pam Sousanes

STUDY TITLE : Channel Response to Rehabilitation--Glen Creek Area  
 INVESTIGATOR: Kenneth Karle  
 AFFILIATION : National Park Service  
 START : 6/1/97  
 ACTIVITY PERIODS : All summer.  
 LOGISTICS: Road use by crews getting to Glen Creek. Helicopter flights from Moose Cr. pit. Use of vehicle to go up Moose Cr. to Camp. Helicopter use in the Glen Creek Area.  
 PARK LIAISON : Ken Karle

STUDY TITLE : Long Term Monitoring of Gravel Extraction in the Toklat River  
 INVESTIGATOR: Kenneth Karle  
 AFFILIATION : National Park Service  
 START : 6/1/97  
 ACTIVITY PERIODS : Any time during summer  
 LOGISTICS: Survey crew could be doing transects across river in area just below Toklat Road Camp.  
 PARK LIAISON : Ken Karle

STUDY TITLE : Denali Seismic Monitoring Sites  
 INVESTIGATOR: Charlotte Rowe  
 AFFILIATION : University of Alaska-Fairbanks  
 START : 6/1/97  
 ACTIVITY PERIODS : Early June to install equipment at Eielsen Visitor Center and then possible trips out the road to repair equipment in July.  
 LOGISTICS: Road travel permits and access to the Wickersham Dome repeater site, coordination with Wonder Lake rangers may be needed to help get them to Wickersham if there is a road closure problem in that area again this year.  
 PARK LIAISON : Phil Brease, Jamie Roush

STUDY TITLE : Rare Plant Population Inventory  
 INVESTIGATOR: Ken Stahlnecker  
 AFFILIATION : National Park Service  
 START : 6/1/97  
 ACTIVITY PERIODS : Throughout summer as time permits  
 LOGISTICS: Technician would hike into many areas or access remote sites by helicopter.  
 PARK LIAISON : Ken Stahlnecker, Steve Carwile

STUDY TITLE : Terrestrial Invertebrate Monitoring Protocol Development  
INVESTIGATOR: Joe Van Horn  
AFFILIATION : National Park Service  
START : 6/1/97  
ACTIVITY PERIODS : All summer  
LOGISTICS: Most all work will be in Rock Creek, but there is one set of plots near road at Mile 17 that could be found by visitors or techs could be observed while taking readings.  
PARK LIAISON : Joe Van Horn

STUDY TITLE : Backcountry Use Monitoring  
INVESTIGATOR: Joe Van Horn  
AFFILIATION : National Park Service  
START : 6/1/97  
ACTIVITY PERIODS : All summer  
LOGISTICS: None, other than staff might like to try and coordinate trips with Backcountry Rangers.  
PARK LIAISON : Joe Van Horn

STUDY TITLE : Flood Plain Delineation in the Park Road Corridor  
INVESTIGATOR: Kenneth Karle  
AFFILIATION : National Park Service  
START : 6/1/97  
ACTIVITY PERIODS : All summer  
LOGISTICS: Technicians will be working in flood plain areas along the park road, ground truthing aerial photos and doing some surveying.  
PARK LIAISON : Ken Karle

STUDY TITLE : List of Classified Structures for Denali NP & P  
INVESTIGATOR: Hollis Twitchell  
AFFILIATION : National Park Service  
START : 6/1/97  
ACTIVITY PERIODS : All summer  
LOGISTICS: Historians from the Regional Office will be working with the FirePro crew and others to inventory park structures for historic importance.  
PARK LIAISON : Hollis Twitchell

STUDY TITLE : U.S. Forest Service Aerial Detection Surveys for Forest Insect Outbreaks.  
INVESTIGATOR: Bob Wolfe  
AFFILIATION : U.S. Forest Service  
START : 6/1/97  
ACTIVITY PERIODS : Unknown at this time  
LOGISTICS: Possible aerial photography flight over park  
PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Waterfowl Inventory and Monitoring (Swans, Loons, etc.)  
 INVESTIGATOR: Ken Stahlnecker  
 AFFILIATION : National Park Service  
 START : 6/1/97  
 ACTIVITY PERIODS : All summer  
 LOGISTICS: Flights will be conducted on south side for swans in conjunction with other south side resource surveys.  
 PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Teklanika River Gravel Assessment  
 INVESTIGATOR: Kenneth Karle  
 AFFILIATION : National Park Service  
 START : 6/1/97  
 ACTIVITY PERIODS : Periodically through entire summer.  
 LOGISTICS: Staff may be seen doing surveys and cross sections of river.  
 PARK LIAISON : Ken Karle

STUDY TITLE : South Side Archeological Reconnaissance - Denali NP & P  
 INVESTIGATOR: Karlene Leeper  
 AFFILIATION : National Park Service  
 START : 6/1/97  
 ACTIVITY PERIODS : Periods of activity unknown at this time  
 LOGISTICS: Field crews will be working in proposed visitor center site (Tokisitna) and around proposed cabin/trails Chelatna Lake. Possible aircraft use to access these sites.  
 PARK LIAISON : Hollis Twitchell

STUDY TITLE : Soils Inventory and Mapping for Denali NP & P  
 INVESTIGATOR: Phil Brease  
 AFFILIATION : National Park Service  
 START : 6/1/97  
 ACTIVITY PERIODS : Unknown at this time, but will likely correspond with the presence of FirePro helicopter in the park  
 LOGISTICS: Field crew will be flown into sites by helicopter (primarily FirePro ship), so some aircraft activity might be reported. Crews will be camped in an area for several days.  
 PARK LIAISON : Phil Brease

STUDY TITLE : Studies of the Breeding Distribution of the Pacific Golden-Plover  
 INVESTIGATOR: Dr. Oscar Johnson  
 AFFILIATION : Montana State University  
 START : 6/5/97  
 ACTIVITY PERIODS : Early to Mid June  
 LOGISTICS: Researcher will be in a rental vehicle and on the road in early morning and late evening doing bird surveys. May also do some short hikes off road or in Wonder Lake area, so car will be parked. Research road pass will be visible.  
 PARK LIAISON : Joe Van Horn

STUDY TITLE : Lepidoptera & Bombidae Inventory of Mt. McKinley National Park  
 INVESTIGATOR: Dr. Kenelm Philip  
 AFFILIATION : University of Alaska  
 START : 6/15/97  
 ACTIVITY PERIODS : June and July  
 LOGISTICS: Possible reports of people collecting insects. Private vehicle will be used by researcher, but will be clearly marked with researcher road permit.  
 PARK LIAISON : Joe Van Horn, Gordon Olson

STUDY TITLE : Arctic - Alpine Lepidoptera Species  
 INVESTIGATOR: Dr. Clifford Ferris  
 AFFILIATION : University of Wyoming  
 START : 6/15/97  
 ACTIVITY PERIODS : June and July  
 LOGISTICS: Possible reports of people collecting insects. Private vehicle will be used by researcher, but will be clearly marked with researcher road permit.  
 PARK LIAISON : Joe Van Horn

STUDY TITLE : Fungi of DNP&P: Glen Creek, LTEM, Fungal Survey and Inventory  
 INVESTIGATOR: Dr. Gary Laursen  
 AFFILIATION : University of Alaska-Fairbanks  
 START : 6/15/97  
 ACTIVITY PERIODS : Early summer visits are possible, but more likely later in year.  
 LOGISTICS: May have road permit to get to Glen Creek. Could be seen collecting along park road. Other primary area of activity is Rock Creek drainage.  
 PARK LIAISON : Joe Van Horn, Penny Knuckles

STUDY TITLE : Small Mammal Inventory in Park Road Corridor and at 1956 Viereck Study Plots  
 INVESTIGATOR: Dr. Eric Rexstad  
 AFFILIATION : University of Alaska-Fairbanks  
 START : 6/15/97  
 ACTIVITY PERIODS : Probably sometime in late June and again in late August  
 LOGISTICS: Workers will be camped in the area of Big Timber along the McKinley Bar trail for a night or two. Wonder Lake Ranger will be contacted when this is going to happen.  
 PARK LIAISON : Penny Knuckles

STUDY TITLE : Breeding Bird Survey  
 INVESTIGATOR: Ken Stahlnecker  
 AFFILIATION : National Park Service  
 START : 6/15/97  
 ACTIVITY PERIODS : Early to mid June.  
 LOGISTICS: Early morning drive out the road with 1/2 Mile stops to listen for birds. Will be done in conjunction with other bird studies, by those same crews. Will need overnight parking or housing, probably at Toklat.  
 PARK LIAISON : Ken Stahlnecker, Pat Owen

STUDY TITLE : Determining Critical Factors for Visitor Satisfaction on Public Transportation Systems in Denali NP & P  
 INVESTIGATOR: Craig Miller  
 AFFILIATION : Idaho Cooperative Parks Studies Unit  
 START : 6/15/97  
 ACTIVITY PERIODS : June and July  
 LOGISTICS: Researcher will be distributing surveys to park visitors  
 PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Development of a Computer Enhanced Plant Identification and Location Software  
 INVESTIGATOR: Dr. John Kartesz  
 AFFILIATION : University of North Carolina-Chapel Hill  
 START : 6/15/97  
 ACTIVITY PERIODS : June or Early July  
 LOGISTICS: Researchers will be working along park road making plant collections. Will probably be accompanied by park staff much of the time. Possible reports of people collecting plants.  
 PARK LIAISON : Joe Van Horn

STUDY TITLE : Slate Cr. Restoration - Denali NP & P  
 INVESTIGATOR: Kenneth Karle  
 AFFILIATION : National Park Service  
 START : 6/15/97  
 ACTIVITY PERIODS : Probably June  
 LOGISTICS: Heavy equipment will be moved into the Kantishna area over the road at night. Traffic increase up Eldorado Creek. Possibly some increase in helicopter use from Kantishna Airstrip up to Slate Creek.  
 PARK LIAISON : Ken Karle

STUDY TITLE : Sheep Census  
 INVESTIGATOR: Ken Stahlnecker  
 AFFILIATION : National Park Service  
 START : 6/16/97  
 ACTIVITY PERIODS : Mid June to mid July. Aerial survey in the Savage/Sanctuary and Outer Range area in the end of June. Ground counts along park road in end of June and early July.  
 LOGISTICS: Possible reports of low flying aircraft near sheep. Technicians will hike up to groups of sheep near park road so there may be reports of people near sheep during this period. Dispatch will be notified when counts are underway.  
 PARK LIAISON : Ken Stahlnecker, Joe Van Horn

STUDY TITLE : Fire Monitoring Plots  
 INVESTIGATOR: Jan Passek  
 AFFILIATION : National Park Service  
 START : 6/18/97  
 ACTIVITY PERIODS : All Summer  
 LOGISTICS: FirePro crew will be visiting plots set up in old burns mostly west or north of the road corridor. Will use FirePro helicopter. New pre-burn plots may be set up in Rock Creek drainage.  
 PARK LIAISON : Jan Passek, Ken Stahlnecker

STUDY TITLE : Volcanism Along an Intercontinental Plate Boundary, the Denali Fault and Cantwell Formation  
INVESTIGATOR: Ronald Cole  
AFFILIATION : Allegheny College  
START : 6/26/97  
ACTIVITY PERIODS : June and July  
LOGISTICS: Researcher will flown into backcountry probably via ERA helicopter in the Calico Creek, and Polychrome glacier area to collect rock samples.  
PARK LIAISON : Phil Brease

STUDY TITLE : McKinley Quadrangle Geologic Mapping  
INVESTIGATOR: Alison Till  
AFFILIATION : U.S. Geological Survey  
START : 7/15/97  
ACTIVITY PERIODS : Late July and Early August  
LOGISTICS: Helicopter flights and landings in the area from Anderson Pass west for geologic mapping.  
PARK LIAISON : Phil Brease

STUDY TITLE : Production and Availability of Berries Important to Grizzly Bears  
INVESTIGATOR: Dr. Roseann Densmore  
AFFILIATION : USGS-BRD  
START : 7/15/97  
ACTIVITY PERIODS : Mid to late summer  
LOGISTICS: Helicopter access to sites at the end of the Muldrow glacier and in the Clearwater River area south of the McKinley Bar.  
PARK LIAISON : Jeff Key

STUDY TITLE : Initiation of a Database for the Muldrow Glacier  
INVESTIGATOR: P. Fleisher  
AFFILIATION : State Univ. of N.Y., College at Oneonta  
START : 8/10/97  
ACTIVITY PERIODS : Mid to Late August  
LOGISTICS: Spike camp near the snout of the Muldrow glacier will be needed. Good food storage procedures must be established and bear information given to researchers.  
PARK LIAISON : Phil Brease

STUDY TITLE : NPS Fisheries Monitoring  
INVESTIGATOR: Ken Stahlnecker  
AFFILIATION : National Park Service  
START : 8/15/97  
ACTIVITY PERIODS : Late summer into late fall  
LOGISTICS: Aircraft use to monitor spawning areas in streams primarily north and west of the Kantishna Hills.  
PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Moose Surveys  
INVESTIGATOR: Ken Stahlnecker  
AFFILIATION : National Park Service  
START : 9/30/97  
ACTIVITY PERIODS : Late fall  
LOGISTICS: Low flying aircraft. Activity is generally after visitor season.  
PARK LIAISON : Ken Stahlnecker

STUDY TITLE : Snow Surveys  
INVESTIGATOR: James Roush  
AFFILIATION : National Park Service  
START : 10/30/97  
ACTIVITY PERIODS : Winter months  
LOGISTICS: Markers may be visible. Ground snow courses are currently at Rock Creek and Lake Minchumina and Kantishna. Aerial courses on South Side, Purky Pile and Kantishna.  
PARK LIAISON : Phil Brease, James Roush

STUDY TITLE : Xmas Bird Count  
INVESTIGATOR: Ken Stahlnecker  
AFFILIATION : National Park Service  
START : 12/25/97  
ACTIVITY PERIODS : Xmas  
LOGISTICS: None  
PARK LIAISON : Ken Stahlnecker