

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NATIONAL SCIENCE & TECHNOLOGY CENTER
DENVER FEDERAL CENTER, BUILDING 50
P.O. BOX 25047
DENVER, COLORADO 80225-0047**

April 9, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Catherine Robertson, CO-070

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

As part of our expanded mission to provide additional science and technology related services, the National Science and Technology Center (NSTC) solicited proposals for science investigation and technology applications from all organizational levels of the Bureau. The response to our request resulted in 150+ projects being submitted.

Last November, our Project Review Board reviewed these projects and narrowed this list to 47 projects it felt our Center should address. Resource specialists from NSTC scoped these 47 projects and made their recommendations to management. Our Leadership Team met last week to decide how to address these projects concerning available funds and existing workloads.

The status of the Desert Shrubland Birds: Habitat Relations and Influence of Management Activities project your office submitted is as follows: Initial scoping of this project proposal by NSTC personnel has occurred and involved contracting the author of the proposal, Ron Lambeth. There are no NSTC operations funds available for the project at this time. However, NSTC has committed to conducting a literature review by August 1, 2001, and will assist in identification of various potential funding sources. NSTC will also support the project through oversight and coordination if needed. We recommend pursuit of funding with a challenge cost-share approach to funding the project. This may involve alerting appropriate personnel (e.g., WO-230 and the wildlife program lead in Colorado) and attempting to gain their support for funding the project needs.

If you have any questions regarding your nomination or would like additional information, please contact Bruce Durtsche at 303-236-6310 or Don Prichard at 303-236-0162.

cc: State Director, Colorado
Ron Lambeth, CO-070

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April 5, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: State Director, Colorado

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

As part of our expanded mission to provide additional science and technology related services, the National Science and Technology Center (NSTC) solicited proposals for science investigation and technology applications from all organizational levels of the Bureau. The response to our request resulted in 150+ projects being submitted.

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The status of the "Geophysical Investigation of South Park Fens" project your office submitted is as follows: Due to similarity, the South Park Fen project was combined with the North Park Fen project proposed by the Kremmling Field Office. This project contains two tasks. The first task is satellite interpretation of wetlands, and the second is characterization of the hydro-geologic setting of these wetlands. NSTC has initiated a project to complete the satellite interpretation portion for South Park this fiscal year and North Park next fiscal year. A copy of the project worksheet defining these deliverables will be sent to your office in the next couple of weeks.

For the second task, we can provide labor and expertise but lack funding for operational costs associated with the hydro-geologic characterization. Since the hydro-geologic aspect is not needed until next fiscal year, we encourage your office to pursue funding for this task through the AWP process. When you are successful in obtaining these funds, we can update your project and complete this task.

If you have any questions regarding your nomination or would like additional information, please contact Pam Clemmer at 303-236-0824 or Debra Dinville at 303-236-6430.

cc: Roy Smith, CO-930
Linda Gross, CO-018
Paula Belcher, CO-108

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April 3, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Singh Ahuja, Milwaukee Field Office, ES-030

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

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The status of the water quality in the vicinity of Berlin Lake, Ohio, in relation to oil and gas development project your office submitted is as follows: NSTC does not have the resources available to initiate your requested project. We are investigating a partnership with the USGS, Water Resources Division (WRD), to assist with your request. We will contact you as soon as WRD has responded regarding their interest and the resources they can provide. If you are aware of other potential partners, please provide us with this information.

If you have any questions regarding your nomination or would like additional information, please contact Bill Carey at 303-236-0103 or David Schafersman at 303-236-1143.

cc: State Director, Eastern States

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April 5, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Director, National Office of Fire and Aviation, FA-100

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

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The status of the "GIS Modeling of Mass Movement Hazard" project nomination submitted by Melanie Miller is as follows: The complexity of the mass movement hazard GIS modeling problem, both in the pre- and post-wildlife landscapes, requires that we investigate the issue further both in literature and with cooperating agencies to result in a meeting this fiscal year. The meeting, intended as a small forum on the subject of mass movement hazard modeling, would include NSTC staff, the customer, and representatives of agencies that are already working in this area. The results of the meeting would lead to development of a plan on how to accomplish the proposal's objectives, potentially as a multi-agency effort.

If you have any questions regarding your nomination or would like additional information, please contact Jacek Blaszczyński at 303-236-5263 or Dan Muller at 303-236-7918.

cc: Melanie Miller, FA-130

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April 3, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: State Director, Idaho

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

As part of our expanded mission to provide additional science and technology related services, the National Science and Technology Center (NSTC) solicited proposals for science investigation and technology applications from all organizational levels of the Bureau. The response to our request resulted in 150+ projects being submitted.

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The status of the "Saving our Expertise" project your office submitted is as follows: The scoping process identified this project as being outside the scope of our Center. It was agreed by all parties involved that BLM is losing a wealth of information as its personnel leave the agency and that this information needs to be captured in some manner. In an effort to capture this information, NSTC will host a knowledge management meeting later this year using KarlGebhardt's data base as a starting point in which discussions take place toward establishing a "culture of saving knowledge" within BLM.

If you have any questions regarding your nomination or would like additional information, please contact Barbara Campbell at 303-236-6648 or Don Prichard at 303-236-0162.

cc: Karl Gebhardt, ID-930

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April 9, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Jim Fisher, OR-130

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

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The status of the Bat Remote Sensing and Telemetry Applications project your office submitted is as follows: Initial scoping of this project proposal by NSTC personnel has occurred and involved contacting the author of the proposal, Neal Hedges. There are no NSTC operations funds available for the project at this time. However, NSTC has committed to conducting a literature review by August 1, 2001, and will assist in identification of various potential funding sources. NSTC will also support the project through oversight and coordination if needed. Mr. Hedges has indicated some interest in being the principal investigator of the project if fully implemented. We recommend that you consider conducting this project under the auspices of the usual BLM budget process. Specifically, we recommend that you approach Bat Conservation International and the USFS Region 6 with a challenge cost-share approach to funding the project. This may involve alerting appropriate personnel (e.g., Fred Stabler in WO-230 and the wildlife program lead in BLM Oregon) and attempting to gain their support for funding the project needs through BLM Oregon and Wenatchee Field Office (OR-134) in FY 2002.

If you have any questions regarding your nomination or would like additional information, please contact Bruce Durtsche at 303-236-6310 or Don Prichard at 303-236-0162.

cc: State Director, Oregon
Neal Hedges, OR-134

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April 3, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: George Brown, Spokane Field Office, OR-135

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

As part of our expanded mission to provide additional science and technology related services, the National Science and Technology Center (NSTC) solicited proposals for science investigation and technology applications from all organizational levels of the Bureau. The response to our request resulted in 150+ projects being submitted.

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The status of the mine opening closure technologies project your office submitted is as follows: NSTC will initiate a project to address your request this fiscal year. Due to limited funding, the scope of the project will be focused on only one type of mining situation that you indicate is your highest priority. If further funding is provided by your Field Office or the Washington Office, this scope can be expanded.

If you have any questions regarding your nomination or would like additional information, please contact Ken Smith at 303-236-0206 or David Schafersman at 303-236-1143.

cc: State Director, Oregon

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April 3, 2001

In Reply Refer To:
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Memorandum

To: George Brown, Spokane Field Office, OR-135

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

As part of our expanded mission to provide additional science and technology related services, the National Science and Technology Center (NSTC) solicited proposals for science investigation and technology applications from all organizational levels of the Bureau. The response to our request resulted in 150+ projects being submitted.

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The status of the Methods for Control of Acid Rock Drainage Project your office submitted is as follows: NSTC does not have adequate resources available to initiate your requested project. We are investigating a partnership with the Colorado School of Mines (CSM) to assist with your request. We will contact you as soon as CSM has responded as to their interest and the resources they can provide. If you are aware of other potential partners, please provide us this information.

If you have any questions regarding your nomination or would like additional information, please contact Bill Carey at 303-236-0103 or David Schafersman at 303-236-1143.

cc: State Director, Oregon

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April 3, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Kelly Courtwright, Spokane Field Office, OR-135

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

As part of our expanded mission to provide additional science and technology related services, the National Science and Technology Center (NSTC) solicited proposals for science investigation and technology applications from all organizational levels of the Bureau. The response to our request resulted in 150+ projects being submitted.

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The status of the in-situ bioremediation of ground water and pit lakes at abandoned mines project your office submitted is as follows: NSTC does not have the resources to conduct this investigation. We are pursuing a partnership with the Department of Energy (DOE) regarding your request. The DOE has expressed interest in the project and may be willing to provide expertise and funding. We will inform you as soon as we know the availability of the DOE. If you are aware of other potential partners, please provide us with this information.

If you have any questions regarding your nomination or would like additional information, please contact Ken Smith at 303-236-0206 or David Schafersman at 303-236-1143.

cc: State Director, Oregon

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April 6, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Cliff Ligons, OR-135

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

As part of our expanded mission to provide additional science and technology related services, the National Science and Technology Center (NSTC) solicited proposals for science investigation and technology applications from all organizational levels of the Bureau. The response to our request resulted in 150+ projects being submitted.

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The status of the Cost Effectiveness of Remediation and Control Methods for Acid Rock Drainage (ARD) project your office submitted is as follows: Rory Raschen, WO-360, scoped this project and found that much work on acid rock drainage has been done by members of the Acid Drainage Technology Initiative (ADIT), an industry/government/academic partnership that provides information on costs and effectiveness of ARD methodologies. Further coordination with the BLM ADIT representative, David Williams of the Butte Field Office, is planned to determine the need for/desirability of proceeding with an extended literature search.

If you have any questions regarding your nomination or would like additional information, please contact Rory Raschen at 303-236-0169 or Mike Kirby at 303-236-6491.

cc: State Director, Oregon
David Williams, MT-070

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April 4, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: State Director, Oregon

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

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The proposal entitled, "Update Process for Preparedness Level," submitted from your office was accepted as one of the projects that NSTC would help with. We will not be doing the project, but rather helping Gerry Day submit his proposal to the Joint Fire Science Program (JFSP) for funding, preparing the proposal to be presented to the National Wildlife Coordinating Group's Information Resource Management Working Group, and potentially providing a recommended process for proceeding with the project. Currently, work has already begun on the project preparing the proposal for the JFSP. We have already provided a limited literature search, put the draft proposal in the JFSP format, and are paying for a writer/editor to review the proposal with Gerry Day. Next week, NSTC's graphics staff will provide further enhancements to the proposal.

If you have any questions regarding your nomination or would like additional information, please contact Susan Goodman at 303-236-4242 or Deb Dinville at 303-236-6430.

cc: Gerry Day, OR-934

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April 4, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Pat Geehan, OR-932

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

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The status of the "Review and Evaluation of Selected Stream Temperature Models" project your office submitted is as follows: Much of this request appears to be related to TMDL issues. The State of Oregon's Department of Environmental Quality (DEQ) is heavily committed to a 10-year implementation of TMDL standards and apparently already has considerable capability. Most of the TMDL issues are temperature-related. We believe your request would be better served with the BLM State Office cooperating with Oregon DEQ to develop BLM methodologies for temperature assessments. Oregon DEQ has offered to cooperate with federal agencies in the establishment of guidelines and methodologies. Oregon BLM should consider using the same model as Oregon DEQ or some other mutually agreed upon system. NSTC believes that addressing this question locally would be more effective in assessing the agencies' state TMDL responsibilities and transferring the appropriate technology to field offices. We suggest the BLM State Hydrologist contact Matt Boyd at Oregon DEQ (503-229-5374) to discuss temperature modeling techniques.

If you have any questions regarding your nomination or would like additional information, please contact Steve Swanson at 303-236-8693 or Dan Muller at 303-236-7198.

cc: State Director, Oregon
Mary D'Aversa, OR-096

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April 3, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Kate Cannon, Grand Staircase-Escalante Monument Manager, UT-030

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

As part of our expanded mission to provide additional science and technology related services, the National Science and Technology Center (NSTC) solicited proposals for science investigation and technology applications from all organizational levels of the Bureau. The response to our request resulted in 150+ projects being submitted.

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The status of the project your office submitted, "Impacts to Water Quality From Back Country Human Waste," is as follows: Information received from USGS during the initial scoping of this proposal indicates that similar work has been carried out by other federal agencies. NSTC will pull together a group of professionals from several land management agencies to further scope this project and exchange information. Additionally, this project proposal has been merged with the project proposal, "Testing the Efficacy of a Dry Bacteria Product to Speed the Breakdown of Human Waste in an Arid Back Country Setting," submitted by the Monticello Field Office. NSTC staff will contact your office within the next 2 to 3 weeks to provide an update on this process.

If you have any questions regarding your nomination or would like additional information, please contact Vicki Josupait at 303-236-6313 or Don Prichard at 303-236-0162.

cc: State Director, Utah
Marietta Eaton, UT-030
Kent Walter, UT-090
Philip Gezon, UT-090

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April 6, 2001

In Reply Refer To:
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Memorandum

To: Kate Cannon, UT-030

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

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The status of the Rock Art Data - Colorado Plateau project your office submitted is as follows: After review, it was determined that approximately 25 workmonths of research, field verification and inventory, data base development, and GIS entry were required. Because of the estimated project cost of \$135,000, funding sources/partnerships would most likely have to be located. Several potential cooperating agencies and groups have been identified. Additional scoping/project identification needs to be done over the next few months. Coordination with WO-240 is required as NSTC no longer has a staff archaeologist (Dan Martin is now assigned to WO-240).

If you have any questions regarding your nomination or would like additional information, please contact Dan Martin at 303-236-0105 or Mike Kirby at 303-236-6491.

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April 3, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Marietta Eaton, Kanab Field Office, UT-030

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

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The status of the impacts to water quality from back country human waste project your office submitted is as follows: NSTC is continuing to do further scoping of your requested project. We are pursuing a meeting with USGS, National Park Service, the Forest Service, and someone from your office to discuss similar studies that have been completed by those agencies and to determine what other studies could be done to meet your needs. We will contact you as soon as this meeting has been set up.

If you have any questions regarding your nomination or would like additional information, please contact Vickie Josupait at 303-236-6312 or David Schafersman at 303-236-1143.

cc: State Director, Utah

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April 3, 2001

In Reply Refer To:
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Memorandum

To: Assistant Monument Manager, Cultural and Earth Sciences, UT-030

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

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The status of the "Photogrammetric Mapping of the Collett Wash Dinosaur Tracksite" project your office submitted is as follows: The project scoping is nearly complete, and we will commit to the completion of this project. A detailed project summary/schedule will be provided to Alan Titus. Per previous communications, the costs of travel, acquisition of aerial coverage, and field survey will be born by Utah BLM.

If you have any questions regarding your nomination or would like additional information, please contact Neffra Matthews at 303-236-0176 or Fred Batson at 303-236-6376.

cc: State Director, Utah
Alan Titus, UT-033

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April 6, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Field Manager, Moab, Utah, UT-060

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

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At present, your project proposal, "Fire Effects on Cultural Resources," was reviewed by our staff. In that review, we were made aware of the fact that the Joint Fire Science Program (JFSP) has previously funded a project as a part of the "Wildland Fire in Ecosystems" series, generally called the "Rainbow Series" entitled the Effects of Fire on Cultural Resources and Archeology, which is a state-of-knowledge literature review. This report is scheduled to be published later this calendar year by the U.S. Forest Service's Rocky Mountain Research Station under the reference number RMRS-GTR-42-Vol. 3. We suggest that, once this document is published, it be reviewed to determine if there is additional information that you need to meet your requirement. If it is determined that more information is needed, NSTC will be pleased to work with you in gathering that information.

If you have any questions regarding your nomination or would like additional information, please contact Susan Goodman at 303-236-4242 or Deb Dinville at 303-236-6430.

cc: Bruce Louthan, UT-062

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April 3, 2001

In Reply Refer To:
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Memorandum

To: Margaret Wyatt, UT-060

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

As part of our expanded mission to provide additional science and technology related services, the National Science and Technology Center (NSTC) solicited proposals for science investigation and technology applications from all organizational levels of the Bureau. The response to our request resulted in 150+ projects being submitted.

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The status of the project your office submitted, "Recreation Use Patterns: Physical, Biological, and Socio-Economic Impacts from Recreationists Other Than Mountain Bikers, 4-Wheel Drivers, and White Water Rafters," is as follows: This project proposal has been accepted, assigned funding, and entered into the NSTC project data base. The completion date for the project is targeted as March 2003 and will consist of a plan and definition of the study, research and data gather, data synthesis and comparison, and a final report as the main deliverables. A copy of the NSTC Project Worksheet will be sent to your office within the next 2 to 3 weeks.

If you have any questions regarding your nomination or would like additional information, please contact Vicki Jospait at 303-236-6313 or Don Prichard at 303-236-0162.

cc: State Director, Utah
Rus VonKoch, UT-060

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DENVER FEDERAL CENTER, BUILDING 50
P.O. BOX 25047
DENVER, COLORADO 80225-0047**

April 3, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Margaret Wyatt, UT-060

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

As part of our expanded mission to provide additional science and technology related services, the National Science and Technology Center (NSTC) solicited proposals for science investigation and technology applications from all organizational levels of the Bureau. The response to our request resulted in 150+ projects being submitted.

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The status of the project your office submitted, "Impacts and Areas of Influence on Cultural Sites from Developed Recreational Sites," is as follows: This project proposal has been accepted, assigned funding, and entered into the NSTC project data base. The completion date for the project is targeted as March 2003 and will consist of a literature review, field data collection, and a final report as the main deliverables. A copy of the NSTC Project Worksheet will be sent to your office within the next 2 to 3 weeks.

If you have any questions regarding your nomination or would like additional information, please contact Vicki Josupait at 303-236-6313 or Don Prichard at 303-236-0162.

cc: State Director, Utah
Bruce Louthan, UT-060

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April 9, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Maggie Wyatt, UT-060

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

As part of our expanded mission to provide additional science and technology related services, the National Science and Technology Center (NSTC) solicited proposals for science investigation and technology applications from all organizational levels of the Bureau. The response to our request resulted in 150+ projects being submitted.

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The status of the Bald Eagle Telemetry: Migration and Sub-Population Interactions on the Colorado Plateau project your office submitted is as follows: Initial scoping of this project proposal by NSTC personnel has occurred and involved contacting the author of the proposal, Joe Cresto. There are no NSTC operations funds available for the project at this time. However, NSTC has committed to conducting a literature review by August 1, 2001, and will assist in identification of various potential funding sources. NSTC will also support the project through oversight and coordination if needed. We recommend pursuit of funding with a challenge cost-share approach to funding the project. This may involve alerting appropriate personnel (e.g., WO-230 and the wildlife program lead in Utah) and attempting to gain their support for funding the project needs.

If you have any questions regarding your nomination or would like additional information, please contact Bruce Durtsche at 303-236-6310 or Don Prichard at 303-236-0162.

cc: State Director, Utah
Joe Cresto, UT-062

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April 9, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Maggie Wyatt, UT-060

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

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The status of the Cowbird Impacts on Colorado Plateau Passerines project your office submitted is as follows: Initial scoping of this project proposal by NSTC personnel has occurred and involved contacting the author of the proposal, Joe Cresto. There are no NSTC operations funds available for the project at this time. However, NSTC has committed to conducting a literature review by July 15, 2001, and will assist in identification of various potential funding sources. NSTC will also support the project through oversight and coordination if needed. After the literature review is completed, further scoping may indicate that already existing information about what conditions lead to excessive cowbird parasitism in nesting birds requires no further field research at this time. If this is the case, we believe the project should be modified to emphasize technology transfer so information can be made more readily available for BLM personnel to use and incorporate into decision making processes. If further research is deemed necessary, we recommend pursuit of funding with a challenge cost-share approach to funding the project. This may involve alerting appropriate personnel (e.g., WO-230 and the wildlife program lead in Utah) and attempting to gain their support for funding the project needs.

If you have any questions regarding your nomination or would like additional information, please contact Bruce Durtsche at 303-236-6310 or Don Prichard at 303-236-0162.

cc: State Director, Utah
Joe Cresto, UT-062

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April 18, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Dick Manus, UT-066

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

As part of our expanded mission to provide additional science and technology related services, the National Science and Technology Center (NSTC) solicited proposals for science investigation and technology applications from all organizational levels of the Bureau. The response to our request resulted in 150+ projects being submitted.

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The status of the Inventory of Native American Ethnographies Locations of Ancestral Lands project your office submitted is as follows: After review, it was determined that approximately 10 work months of research, data base development, review, and verification would be required. Because of the estimated project cost of \$80,000 (\$40,000 labor and \$40,000 operations), funding sources/partnerships would most likely have to be located. Several potential cooperating agencies and groups have been identified. Additional scoping/project identification needs to be done over the next few months. Coordination with WO-240 is required as NSTC no longer has a staff archaeologist (Dan Martin is now assigned to WO-240).

If you have any questions regarding your nomination or would like additional information, please contact Dan Martin at 303-236-0105 or Mike Kirby at 303-236-6491.

cc: State Director, Utah

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April 4, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Field Manager, Vernal, Utah, UT-080

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

As part of our expanded mission to provide additional science and technology related services, the National Science and Technology Center (NSTC) solicited proposals for science investigation and technology applications from all organizational levels of the Bureau. The response to our request resulted in 150+ projects being submitted.

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The status of the Geochemical Erosion Characteristics of Mancos Shale Project (01-096) your office submitted is as follows: We understand that the U.S. Geological Survey (USGS) is currently conducting studies on erosion processes related to mancos shale areas in the western United States. It would be advantageous for our Center to host an informational meeting involving USGS, your staff (e.g., Bill Stroh) and pertinent members of my staff. We have initiated contacts with USGS scientists to schedule a meeting. My staff will be in contact with Bill and any others from your office who may be interested in attending the proposed meeting.

If you have any questions regarding your nomination or would like additional information, please contact Dan Muller at 303-236-7198 or Dave Schafersman at 303-236-1143.

cc: State Director, Utah
Jean Nitschke-Sinclear, UT-082
Bill Stroh, UT-082

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April 6, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Dave Porter, WO-172

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

As part of our expanded mission to provide additional science and technology related services, the National Science and Technology Center (NSTC) solicited proposals for science investigation and technology applications from all organizational levels of the Bureau. The response to our request resulted in 150+ projects being submitted.

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The status of the NLCS Boundary Mapping Standards project your office submitted is as follows: Your project has been approved. There are four deliverables. One, which is completed, is the development of the data standards. The others are developing a user desk guide, creating national data sets, and developing a spatial application to display the NLCS data. The due dates for each of these deliverables may need to be adjusted depending upon when the States complete the work and send it to our office. Creating national data sets cannot be done without the States doing their work first. The spatial application has a due date of December 31, 2001.

If you have any questions regarding your nomination or would like additional information, please contact Mary Beth Stulz at 303-236-0100 or Debra Dinville at 303-236-6430.

cc: Elaine Brong, WO-170, MIB, Room 5644
Geoff Middaugh, WO-172, MIB, Room 5644

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April 3, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: Group Manager, Planning, Assessment, and Community Support, WO-210

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

As part of our expanded mission to provide additional science and technology related services, the National Science and Technology Center (NSTC) solicited proposals for science investigation and technology applications from all organizational levels of the Bureau. The response to our request resulted in 150+ projects being submitted.

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The status of the "Update of the Geo-Positioning Guide" project your office submitted is as follows: A majority of the scoping is completed, and we will commit to the completion of the update of this guide. A detailed project summary/schedule will be provided to Ed Harne in the near future. Ed has indicated to us that the Washington Office has the printing funds required for the guide and the accompanying poster.

If you have any questions regarding your nomination or would like additional information, please contact Russ Jackson at 303-236-1614 or Fred Batson at 303-236-6376.

cc: Director 200, MIB, Room 5650
Ed Harne, WO-210
Bruce Keating, WY-950

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April 2, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: State Director, Wyoming

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

As part of our expanded mission to provide additional science and technology related services, the National Science and Technology Center (NSTC) solicited proposals for science investigation and technology applications from all organizational levels of the Bureau. The response to our request resulted in 150+ projects being submitted.

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The status of the Standards and Guidelines for use of electric fences on BLM-administered lands your office submitted is as follows: We will work with the Wyoming State Office staff to help them draft State policy on electric fences and complete a literature search on invisible or virtual fences.

If you have any questions regarding your nomination or would like additional information, please contact Ned Habich at 303-236-0166 or Dan Muller at 303-236-7198.

cc: Tom Enright, WY-931

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April 3, 2001

In Reply Refer To:
1244 (ST-100)

Memorandum

To: State Director, Wyoming

From: Director, National Science and Technology Center

Subject: Nominations for Science Investigations and Technology Applications

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The status of the "Soil Gas Monitoring of Coal Bed Methane" project your office submitted is as follows: After a considerable level of in-depth discussion and review, we have decided to split the effort into two separate projects. The first project will concentrate on the evaluation of some of the remote sensing tools (e.g., thermal imagery, hyperspectral imagery, etc.). The thermal imagery will be reviewed in order to ascertain capabilities to detect/monitor coal bed fires. The hyperspectral imagery (plus possible other data sources) will be evaluated to determine whether vegetation reflectance may signal methane problems. A literature review will be conducted first to determine the state-of-knowledge concerning these issues. A detailed project summary/schedule will be provided to Ed Heffern in the near future.

Concerning the methane monitoring issues, we have learned that the USGS Energy Team will be holding a meeting in May in Wyoming to discuss this topic. We anticipate BLM participation in that meeting. At this time, we are putting this proposed project on hold. If, as a result of the May meeting, you feel that NSTC should initiate a project and pursue partnership opportunities with the USGS, please contact me.

If you have any questions regarding your nomination or would like additional information concerning the remote sensing project that will be initiated, please contact Nancy Russell at 303-236-8035 or Fred Batson at 303-236-6376.

cc: DSD, Minerals and Lands Authorizations, WY-920
Ed Heffern, WY-922