## COVER SHEET FOR PROPOSAL TO THE NATIONAL SCIENCE FOUNDATION

PROGRAM ANNOUNCEMENT/SOLICITATION NO./CLOSING DATE/if not in response to a program announcement/solicitation enter NSF 04-23								FOR NSF USE ONLY		
PD 04-1573 12/01/04								NSF PROPOSAL NUMBER		
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DATE RECEIVED			DIVISION ASSIGNE		FUND CODE	DUNS# (Data Universal Numbering System		FILE LOCATION		
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NAME OF ORGANIZATION TO WHICH AWARD SHOULD BE MADE  SUNY College at Buffalo				ADDRESS OF AWARDEE ORGANIZATION, INCLUDING 9 DIGIT ZIP CODE SUNY College at Buffalo						
AWARDEE ORGANIZATION CODE (IF KNOWN)  0028423000				1300 Elmwood Avenue Buffalo, NY. 142221004						
NAME OF PERFORMING ORGANIZATION, IF DIFFERENT FROM ABOVE				ADDRESS OF PERFORMING ORGANIZATION, IF DIFFERENT, INCLUDING 9 DIGIT ZIP CODE						
PERFORMING ORGANIZATION CODE (IF KNOWN)										
IS AWARDEE ORGANIZATION (Check All That Apply) SMALL BUSINESS MINORITY BUSINESS IF THIS IS A PRELIMINARY PROPOSAL (See GPG II.C For Definitions) FOR-PROFIT ORGANIZATION WOMAN-OWNED BUSINESS THEN CHECK HERE										
TITLE OF PROPOSED	HOW IS U		e melt flow n e plutons?	etwork	recorded in mig	gmatites and by				
REQUESTED AMOUNT \$ 153,650	UESTED AMOUNT PROPOSED DURATION (1-60 N 153,650 24 months			MONTHS)	REQUESTED STAR 07/01	l	HOW RELATED PRELIMINARY PROPOSAL NO. FAPPLICABLE			
☐ BEGINNING INVEST	, ,		LUDES ANY OF T	HE ITEMS	☐ HUMAN SUBJEC	,	nn Data			
□ DISCLOSURE OF LOBBYING ACTIVITIES (GPG II.C)  □ PROPRIETARY & PRIVILEGED INFORMATION (GPG I.B, II.C.1.d)  □ HISTORIC PLACES (GPG II.C.2.j)  □ OMAIL GRANT FOR EXPLORABLE (GPG II.C.2.j)  □ OMAIL GRANT FOR EXPLORABLE (GPG II.C.2.j)										
□ SMALL GRANT FOR EXPLOR. RESEARCH (SGER) (GPG II.D.1) □ VERTEBRATE ANIMALS (GPG II.D.5) IACUC App. Date □ □ HIGH RESOLUTION GRAPHICS/OTHER GRAPHICS WHERE EXACT COLOR REPRESENTATION IS REQUIRED FOR PROPER INTERPRETATION (GPG I.E.1)										
PI/PD DEPARTMENT <b>Dept. of Earth S</b>	Science and Science	e Edu.	PI/PD POSTAL A 1300 Elmw	DDRESS ood Av	enue					
PI/PD FAX NUMBER 716-878-4524 Buffalo, NY 14222 United States										
NAMES (TYPED)		High Degr		Degree	Telephone Number	er	Electronic Mai	l Address		
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## **CERTIFICATION PAGE** Certification for Authorized Organizational Representative or Individual Applicant: By signing and submitting this proposal, the individual applicant or the authorized official of the applicant institution is: (1) certifying that statements made herein are true and complete to the best of his/her knowledge; and (2) agreeing to accept the obligation to comply with NSF award terms and conditions if an award is made as a result of this application. Further, the applicant is hereby providing certifications regarding debarment and suspension, drug-free workplace, and lobbying activities (see below), as set forth in Grant Proposal Guide (GPG), NSF 04-23. Willful provision of false information in this application and its supporting documents or in reports required under an ensuing award is a criminal offense (U. S. Code, Title 18, Section 1001). In addition, if the applicant institution employs more than fifty persons, the authorized official of the applicant institution is certifying that the institution has implemented a written and enforced conflict of interest policy that is consistent with the provisions of Grant Policy Manual Section 510; that to the best of his/her knowledge, all financial disclosures required by that conflict of interest policy have been made; and that all identified conflicts of interest will have been satisfactorily managed, reduced or eliminated prior to the institution's expenditure of any funds under the award, in accordance with the institution's conflict of interest policy. Conflicts which cannot be satisfactorily managed, reduced or eliminated must be disclosed to NSF. **Drug Free Work Place Certification** By electronically signing the NSF Proposal Cover Sheet, the Authorized Organizational Representative or Individual Applicant is providing the Drug Free Work Place Certification contained in Appendix C of the Grant Proposal Guide. **Debarment and Suspension Certification** (If answer "yes", please provide explanation.) Is the organization or its principals presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency? No 🛛 Yes $\Pi$ By electronically signing the NSF Proposal Cover Sheet, the Authorized Organizational Representative or Individual Applicant is providing the Debarment and Suspension Certification contained in Appendix D of the Grant Proposal Guide. **Certification Regarding Lobbying** This certification is required for an award of a Federal contract, grant, or cooperative agreement exceeding \$100,000 and for an award of a Federal loan or a commitment providing for the United States to insure or guarantee a loan exceeding \$150,000. Certification for Contracts, Grants, Loans and Cooperative Agreements The undersigned certifies, to the best of his or her knowledge and belief, that: (1) No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement. (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities." in accordance with its instructions. (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements and that all subrecipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

AUTHORIZED ORGANIZATIONAL REP	RESENTATIVE	SIGNATURE		DATE
NAME				
TELEPHONE NUMBER	ELECTRONIC MAIL ADDRESS		FAX N	UMBER

\*SUBMISSION OF SOCIAL SECURITY NUMBERS IS VOLUNTARY AND WILL NOT AFFECT THE ORGANIZATION'S ELIGIBILITY FOR AN AWARD. HOWEVER, THEY ARE AN INTEGRAL PART OF THE INFORMATION SYSTEM AND ASSIST IN PROCESSING THE PROPOSAL. SSN SOLICITED UNDER NSF ACT OF 1950, AS AMENDED.