

SUMMARY OF ANALYSIS SESSIONS FOR CY1978

APPLICATIONS BRANCH
DATA ANALYSIS LABORATORY

<u>Organization</u>	<u>Description</u>	<u>Starting Date</u>
USGS-EROS	Using MSS Band 4 Hi Gain Data to determine depth values in meters of Pacific Islands and reefs	1/02/78
USGS	Registered and color coded aeromagnetic and gravity data of the world	1/02/78
USGS-WRD	Comparing temporal data with single image classifications to determine crop types for irrigation usage estimates in N. Florida	1/09/78
NPS-Denver	Creating statistics sets for classification of Lake Mead Project Study Area	1/09/78
EROS	Began principal components analysis on Utah Desert Project	1/16/78
LARS-Purdue	Began study of various resampling algorithms	1/23/78
BLM	BLM digital workshop	
EROS	Radiance conversion and principal components continued on Utah Desert Project	1/30/78
EROS	Work with aeromagnetic and geophysical data of Clauch, N. Mexico and Tennessee	1/30/78
EDC	Preparation of training aids for CIRCUM-Pacific Workshop	1/30/78
NPS	Postprocessing-classification refinement by removal of clouds and shadows	2/06/78
EDC	Color coding classified images and preparation for geometric correction of Bear Butte Creek Cropland Conversion project	2/12/78
BOR	Land cover classification of San Luis Basin Colorado	2/19/78
NPS	Final cluster grouping for Lake Mead Recreational Area Project	3/01/78
EROS	Compiling overview and subscene histograms and statistics on Utah Desert Project	3/01/78
EDC	Preparation of training materials for Vegetation Training Course	3/08/78
NPS	Determining primary sampling units for Lake Mead Recreational Area Project	3/08/78
EDC	Strip Mine Demonstration Project	3/13/78
EDC	Preparation of materials for Detenal Landsat training course	3/19/78
WRD	Using Landsat temporal data to map extent of Johnstown Flood Area	3/27/78
N. Zealand	Generating contrast enhancements and classifications of selected New Zealand subscenes	3/27/78

Summary of Analysis Sessions (cont'd)

<u>Organization</u>	<u>Description</u>	<u>Starting Date</u>
BOR	Data preparation for output products of classification of San Luis Basin, Colorado	4/03/78
NPS	Post classification processing of NPS Lake Mead Project	4/10/78
BLM	Histogram normalization and mosaicing BLM/AVRI Project	4/17/78
BOM	Review and continuation of work previously completed concerning S. Carolina mining activities	4/17/78
BLM	Selecting ground control points for map registration of BLM/AVRI Project	4/23/78
EROS	Attempting to locate ships and oil platforms using Landsat data	4/30/78
BLM	Creating of stratified boundary for BLM/AVRI Project	
BLM	Testing various methods of stratification to determine most cost-effective technique for BLM/AVRI Project	5/08/78
EDC	Continued preparation of materials for Strip Mining Demonstration Project	5/15/78
Wash/DNR	Unsupervised classification of training subsets for DNR Project	5/15/78
U.N.	Demonstrated I-100 capabilities and attempted to target micro-watersheds in N. Central Nigeria	5/22/78
EDC	Generation of training materials for NASA/Montana training course	
BLM	Evaluation of principal components analysis of training for classification of BLM/AVRI Project	
Minn.GS	Lineament analysis of Central Minnesota using low sun angle Landsat data	5/29/78
Wash./DNR	Selected ground control points for Wash./DNR Project	6/04/78
BLM	Digitized range allotments for BLM/AVRI Project	
EDC	Using Landsat for determination of irrigated land acreage estimates in Chile	6/12/78
BLM	Stratified image into spectral strata for the BLM/AVRI Project	6/19/78
MSHA	Attempting to locate lineaments in several Western U.S. Landsat scenes	6/26/78
EDC	Generation of output products for Idaho Blackfoot Watershed Project	7/03/78
EDC	Demonstration of Data Analysis Lab facilities for group from Peoples Republic of China	
WRD	Accuracy testing of a previous classification of Dismal Swamp	7/10/78

Summary of Analysis Sessions (cont'd)

<u>Organization</u>	<u>Description</u>	<u>Starting Date</u>
EDC	Developing training materials for Texas A&M training courses	
BLM	Selection of training areas and correlation of preliminary classification with ground cover types for BLM/AVRI	7/17/78
EROS	Isocls classification of subsce for Desertification Project	
Wash./DNR	Class statistics extraction from Landsat for Wash./DNR Project	7/23/78
BLM	Merging topographic data with Landsat for BLM/AVRI Project	4/17/78
EROS	Recreation of 'DEEP' images using new parameters and attempting cloud removal on a multitemporal subsce of Yap Island	4/23/78
Wash./DNR	Canonical analysis classification and accuracy assessment of a Wash./DNR project test site	4/30/78
BLM	Geometric correction for topographic data and preparation for classification of BLM/AVRI area	7/30/78
EDC	Created clusters on raw Landsat data for comparison with resampled data for Bear Butte Creek Watershed Project	5/08/78
Wash./DNR	Continued development of a Z stage sampling procedure and training statistics for BLM/AVRI micro-watersheds in W. Central	5/15/78
BLM	Development of contingency tables for a Genforest classification accuracy evaluation of two Wash./DNR test sites	7/30/78
Wash./DNR	Performed slope aspect calculations on topographic data for Wash./DNR Project	5/22/78
BLM	Classification of BLM/AVRI project test sites and contingency tables for comparison with previous classification results	8/07/78
Wash./DNR	Final Report and demonstration of project work to normalize effects of sun angle on Landsat data	5/29/78
EDC	Refining classification for creation of output products for field data collection	6/04/78
BLM	Continued evaluation of forest classifications and topo data for two Wash./DNR test sites	6/12/78
Wash./DNR	Demonstration of work with Landsat Hi-Gain Data including DeNoyer and Bimini Projects	8/14/78
EROS	Generation of line printer maps of classification and topographic images for field use	6/28/78
BLM	Calculated slope and aspect of Wash./DNR Project area using topo and Landsat data	7/01/78
Wash./DNR		8/20/78
		8/20/78

Summary of Analysis Sessions (cont'd)

<u>Organization</u>	<u>Description</u>	<u>Starting Date</u>
WRD	Attempted analysis of water turbidity and velocity of Tenn. River using P/C analysis	8/27/78
EDC	Wrap-up project work for Idaho-Blackfoot Reservoir Classification	7/27/78
EDC	Developing training materials for Remote Sensing Coal Surface Mining Workshop	9/04/78
FAO/UN	Principal components analysis of Landsat data for vegetation classification in N. Africa	7/23/78
BLM	Generation of plot tapes used in plotting flight lines for aerial photography acquisition for BLM/AVRI Project	
Wash./DNR	Evaluation of initial forest-type classification and identification of classification errors on Wash./DNR Project	7/30/78
Wash./DNR	Clustering and class assignments for initial classification of Wash./DNR project area	9/11/78
EDC/DMA	Testing transfer functions on Landsat Hi-Gain data for DMA mapping project	9/18/78
BLM	Developing and testing a two-stage sampling technique for land cover acreage estimates for BLM/AVRI	9/18/78
MSHA	Preparation of demonstration materials for MSHA Workshop	9/25/78
BLM	Accuracy assessment of land cover acreage estimates and began generation of output products for BLM/AVRI	8/07/78
Wash./DNR	Reevaluate resource class assignments to cluster sites in Clearwater test site/ Wash./DNR	
BLM	Generation of output products for BLM/AVRI	10/01/78
EDC	Demonstration for Pecora.IV Symposium participants	
U. of Alaska	Locating sedimentation trends on North Slope - Alaska	10/08/78
Wash./DNR	Completed classification on Clearwater test site and initial classification of Capitol test site - Wash./DNR	10/16/78
EROS/UN	Attempted to target submarine springs off southern coast of Turkey using P/C analysis	
BLM	Preparation of products for BLM Digital training course	10/23/78
EDC	Demonstrating digital analysis techniques to scientists from Sudan and Bangladesh	8/23/78

Summary of Analysis Sessions (cont'd)

<u>Organization</u>	<u>Description</u>	<u>Starting Date</u>
EDC	Preparation and demonstration presented for guests from Peoples Republic of China	11/08/78
BLM	Preparation of training materials for BLM Advanced Geology training course	11/13/78
BLM	Preparation of photo interpretation materials for continued ground data collection for BLM/AVRI	
EDC/WRD	Continued work on water current vector study using Principal Components Analysis	
EDC/RSI	Land use classification of Central Chile using Landsat data	11/20/78
BLM	Continued work with topographic data for BLM/AVRI project	
EROS/USGS	Using multitemporal Landsat data to create percent albedo images for change detection in a Utah Desert area	11/27/78
EDC/RSI	Land cover-type classification of areas in Chile and Bangladesh	
EROS	Attempted to locate Karst springs in S. Turkey using linear enhanced Landsat data	12/04/78
EROS	Using Landsat data to locate faults and linears associated with Karst areas in southwestern Yugoslavia	
EDC	Integration of magnetic and gravity data with Landsat data	12/04/78
EDC	Registration of RBV and MSS data from Landsat-3/Central Michigan	
BLM	Correction of bad data lines on topo data for BLM/AVRI	
EDC/WRD	Continuation of current vector study using Principal Components Analysis of Landsat data	12/18/78
BLM	Preparation of training materials for BLM digital training course	12/26/78
EDC	Preparation of slide set showing spatial resolution of RBV data and demonstrating improved interpretability of merged MSS/RBV Landsat data	
BLM	Continued work on BLM/AVRI/Slope program	

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User List

	<u>EDC</u>
EROS Program - J. DeNoyer (TCN 59 - Hansen)	Hansen
USGS - B. Reagan, D. Black	Gehring
Univ. of Manitoba - C. Iverson	Engel
WRD - A. Higer	Jenson
Suwannee River Water Mgt. Dist. - K. Webster, R. Musgrove	Greenlee
NPS - Lake Mead Workshop	Nelson
LARS - J. Ethridge (TCN 14 - Nelson)	Bauer
US BLM - L. Thormalin	Cameron
USGS - B. Reagan, D. Black	Johnson
EROS Program - W. Fischer	Sheehan
US BOR - F. Pinkney, D. Newkirk	Lucas
Univ. of Michigan - C. Olson	Todd
EROS Program - D. Carter	Trautwein
EROS Program - C. Robinove, M. Milosavich	Moore
US NPS - J. Haman, J. Sacklin, J. Holland	Borgeson
US BOM - H. Lawrence	Ohlen
S. Carolina Land Resources Conservation Com. - N. Bayne	Pettinger
WRD - T. Ross	Miller
EROS Program - M. Deutsch	Barthmaier
State Univ. of New Jersey - I. Kedar (TCN 9 - Hansen)	Zemina
Minnesota Geological Survey - Southwick, Wieblen (TCN 58 - Hansen)	Waltz
US BLM - L. Thormalin	Draeger
Chile - H. Martens, C. Pattillo	Anderson
India - N. Parandhaman, S. Eoyal, O. Bajpai, K. Rao	Hertz
MSHA - D. Rinkenberger, E. Strohs (TCN 62 - Hansen)	Harris
WRD - P. Gammon	Bauer (Brian)
US BLM-AVRI Workshop (TCN 12 - Engel)	Bailey
Texas A&M - D. Parrish, G. Gazonas	G.A. Johnson
Washington DNR - T. Gregg, B. Ausland	Taranik
Iowa Geological Survey - R. Anderson	P. Anderson
US BLM - D. Sykes, B. Davis	Rohde
WRD - Heimes (TCN 71 - Hansen)	Bonner
FAO - Rome, Italy - J. Hielkema (Nelson)	Carnegie
OSM - Working Demonstration	Perry
RSI - SDSU - Mary DeVries	
EROS Program/UN - Can Bingol (Hansen)	
Univ. of Alaska - T. George (Nelson)	
RSI/Chile - H. Garcia	
EROS Program - T. Ragland (Remote)	
P. Milanovich - US/Yugoslavian Geohydrologic Research Project	
USGS - Flagstaff - P. Chavez	