

Page Denied

29 March 1967

25X1

Copy 3

MEMORANDUM FOR: Chief, Collateral Support Division, HPIC

SUBJECT : Status Report KH-7 Mission WAC/Plots

25X1

1. The following figures represent the CBD processing of KH-7 and Mission WAC/Plots since 1 March 1967.

25X1

<u>MISSION</u>	<u>WAC PROCESSED BY CBD</u>	<u>WAC RELEASED TO MINICARD</u>
KH-7 4036	334	334
4035	400	400
4033	347	347
4032	309	309
4027	<u>347</u>	<u>347</u>
TOTAL	2,815	2,815

25X1

2. The following figures represent the KH-7 Mission WAC/Plots in process as of 29 March 1967.

25X1

<u>MISSION</u>	<u>CBD</u>	<u>IPD</u>
4031*	133 <u>511</u>	2815

*Pulled WAC/Plots from PSD 27 March 1967.

[Redacted]

29 March 1967

25X1

SUBJECT: Status Report KH-7 & [Redacted] Mission WAC/Plots

25X1

3. Twenty-one KH-7 missions [Redacted] remain to be processed.

25X1

[Redacted]

D/Chief, Reference Branch/CSD
NPIC

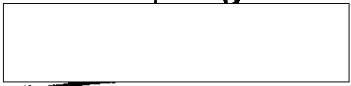
25X1

Distribution:

- Cy 1 & 2 - NPIC/CSD
- 3 - NPIC/OS
- 4 - NPIC/IPO/PAG
- 5 - NPIC/IPD
- 6 - NPIC/CSD/Ref
- 7 & 8 - NPIC/CSD/Ref/RAS

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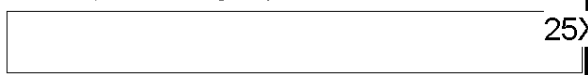
Project
number and I will
explain this to you.



25X1

Set them

- Y9* 1022-1, 21 July 1965 4027, 25 April 1966 ✓
- 93* 1023-2, 24 August 1965 4028, 20 May 1966 ✓
- Y9* 1024-1, 24 September 1965 4029, 9 June 1966 ✓
- 93* 1024-2, 28 September 1965 4030, 18 July 1966 ✓
- 1025-1, 10 October 1965 ✓
- 1025-2, 15 October 1965 ✓
- 1026-1, 30 October 1965 ✓
- 1027-1, 10 December 1965 ✓
- 1028-1, 27 December 1965 ✓
- 1029-1, 3 February 1966 ✓
- 1030-1, 13 March 1966 ✓
- 1030-2, 18 March 1966 *Mc ...*
- 1031-1, 11 April 1966 ✓
- 1034-1, 26 June 1966 ✓
- 1034-2, 1 July 1966 ✓
- 1035-1, 24 September 1966 ✓
- 1035-2, 29 September 1966 ✓
- 1036-1, 16 August 1966 ✓
- 1036-2, 22 August 1966 ✓



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4031, 23 August 1966 ✓

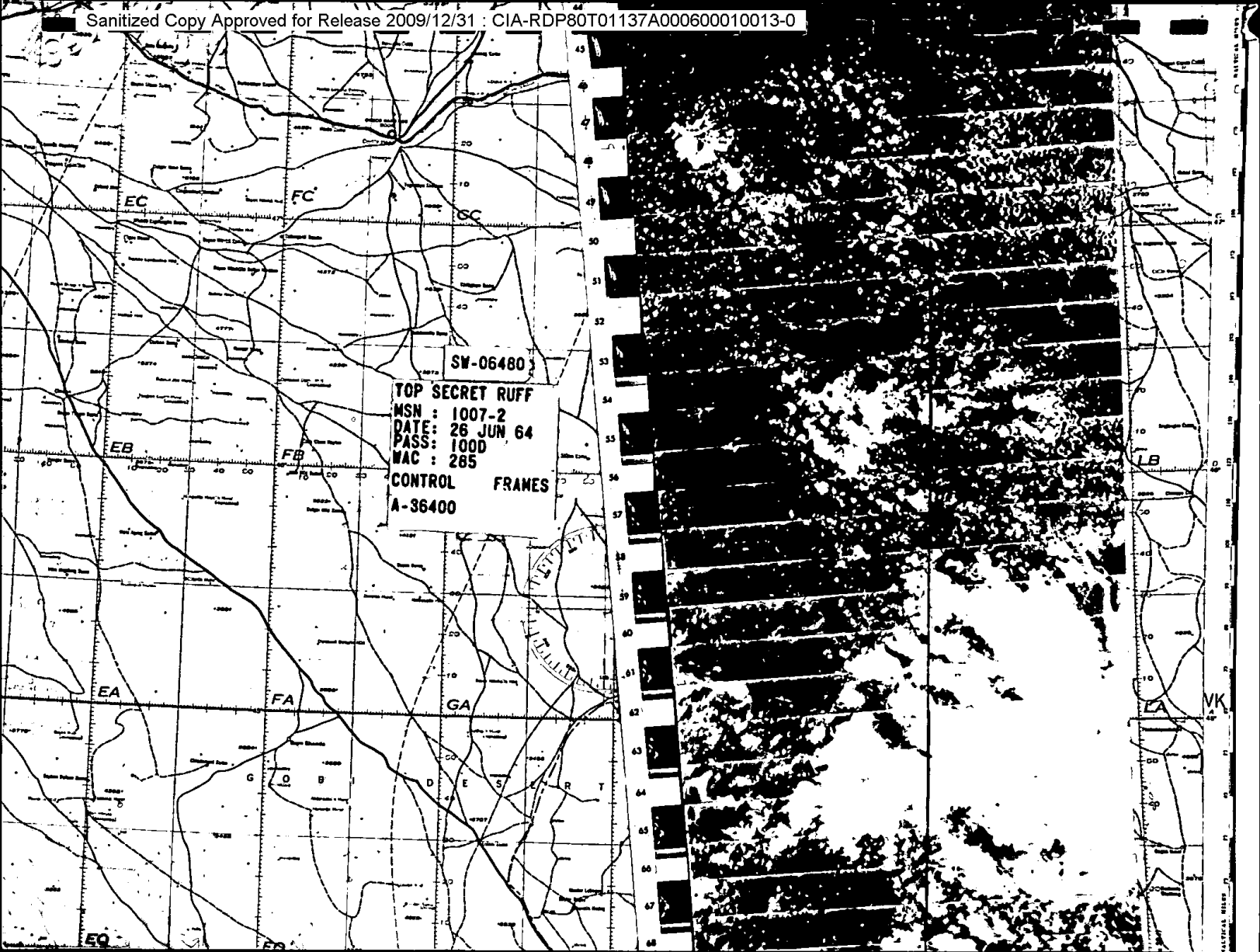
~~1022, 3 October 1965~~ *Tamara*

134792

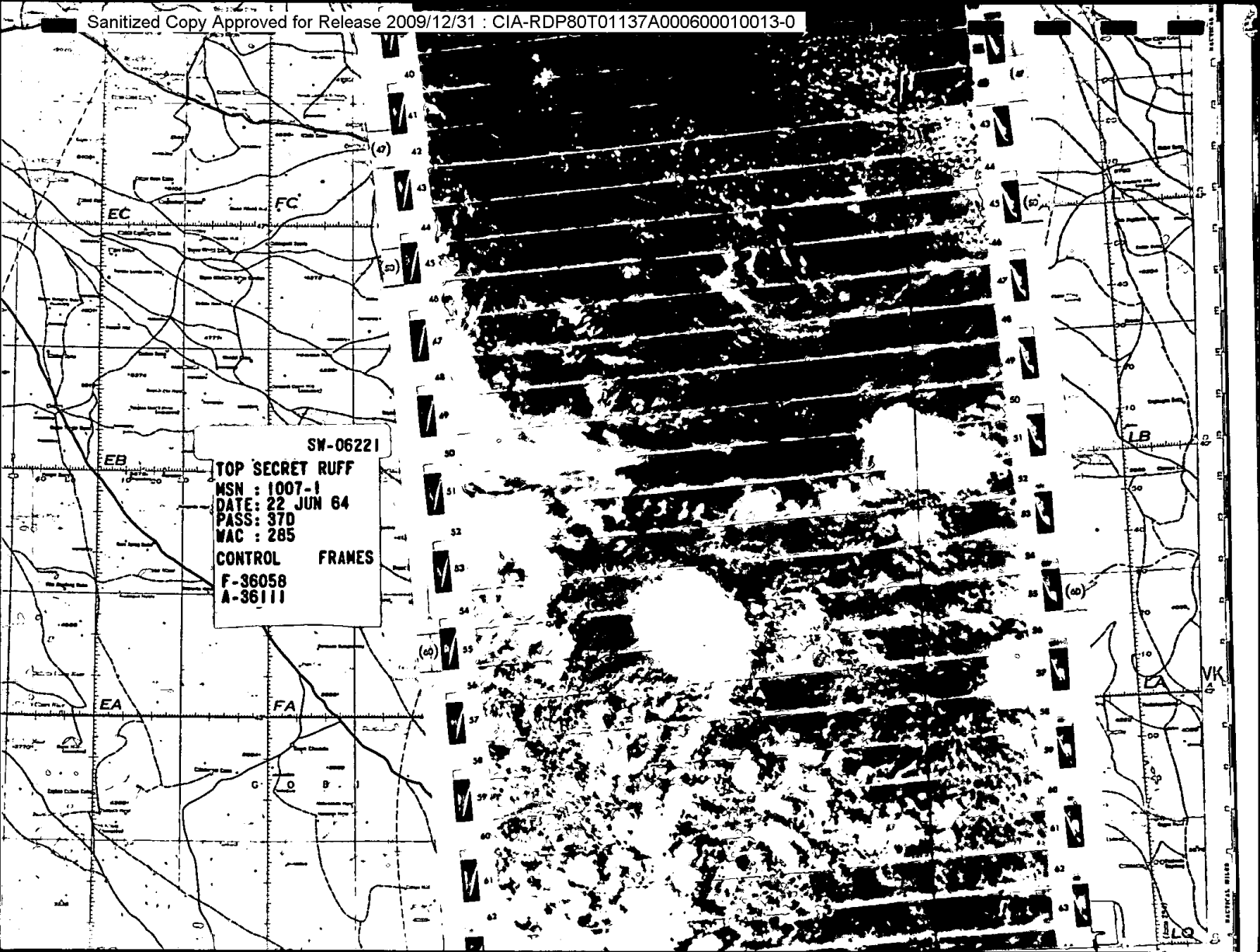
- 4024, 24 January 1966 ✓
- 4025, 20 February 1966 ✓
- 4026, 24 March 1966 ✓

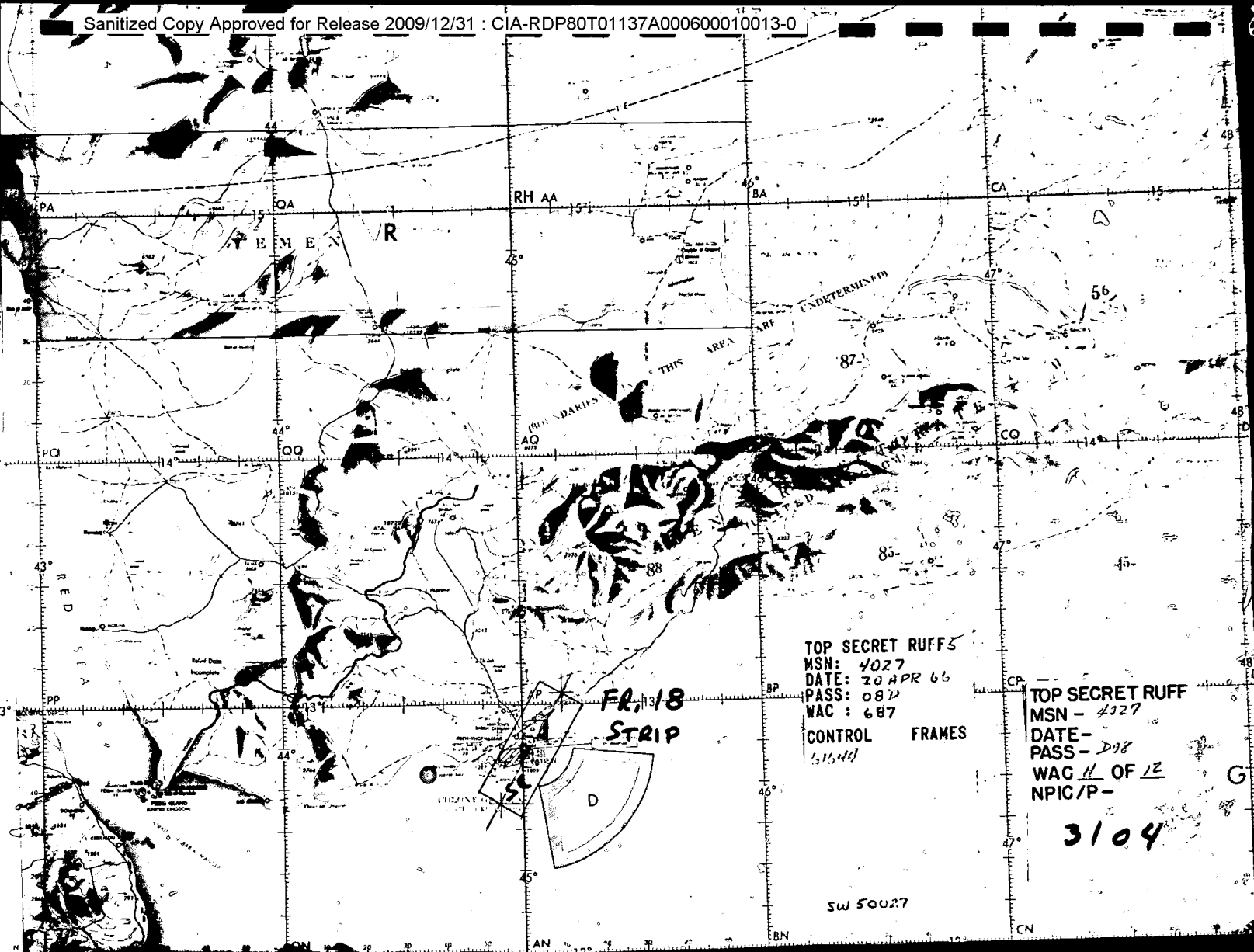
Model - Dam on Shagan River
Just like

Semi-plastic
Peaceful uses



SW-06480
TOP SECRET RUFF
MSN : 1007-2
DATE : 26 JUN 64
PASS : 1000
WAC : 285
CONTROL FRAMES
A-36400





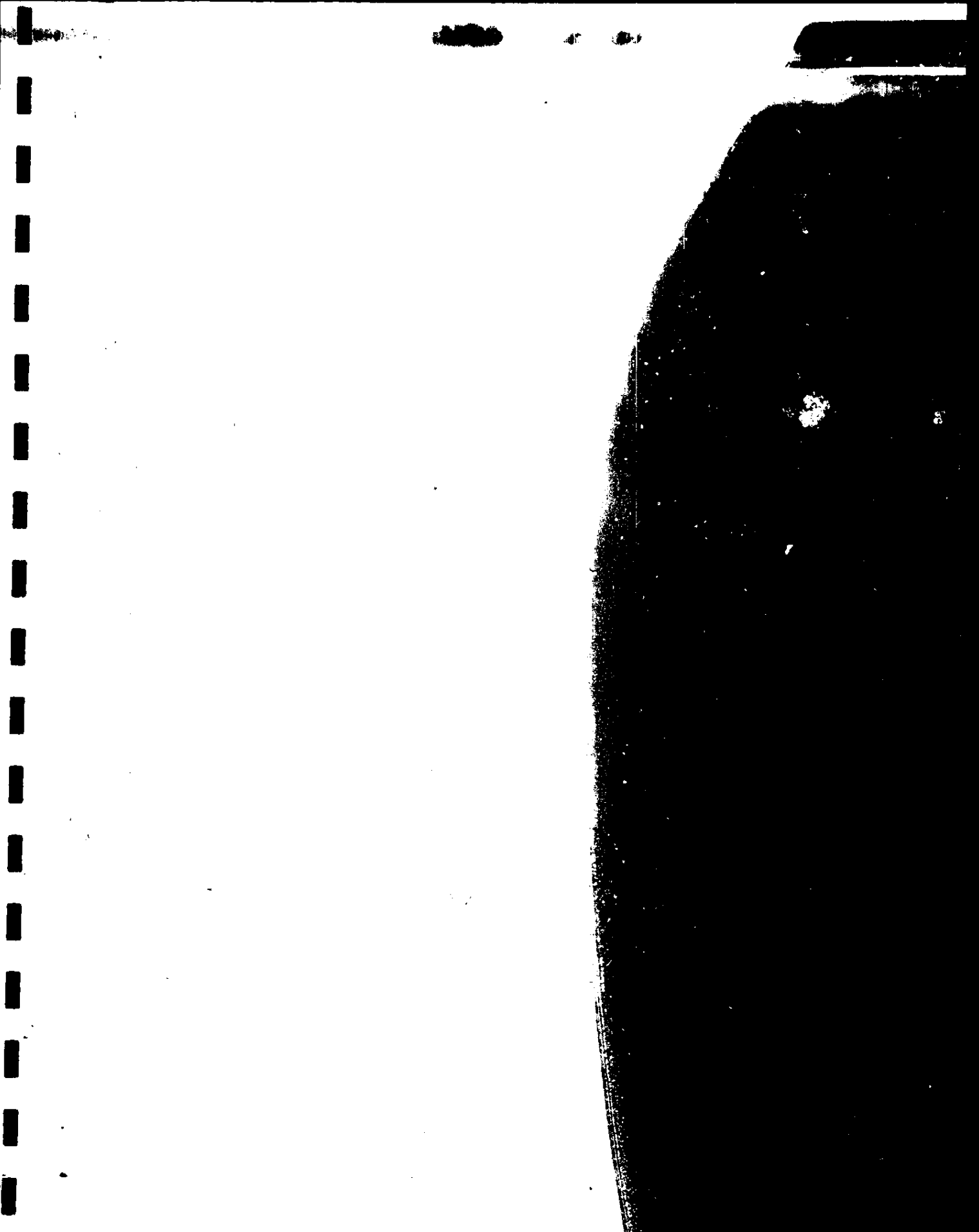
FR 18
STRIP

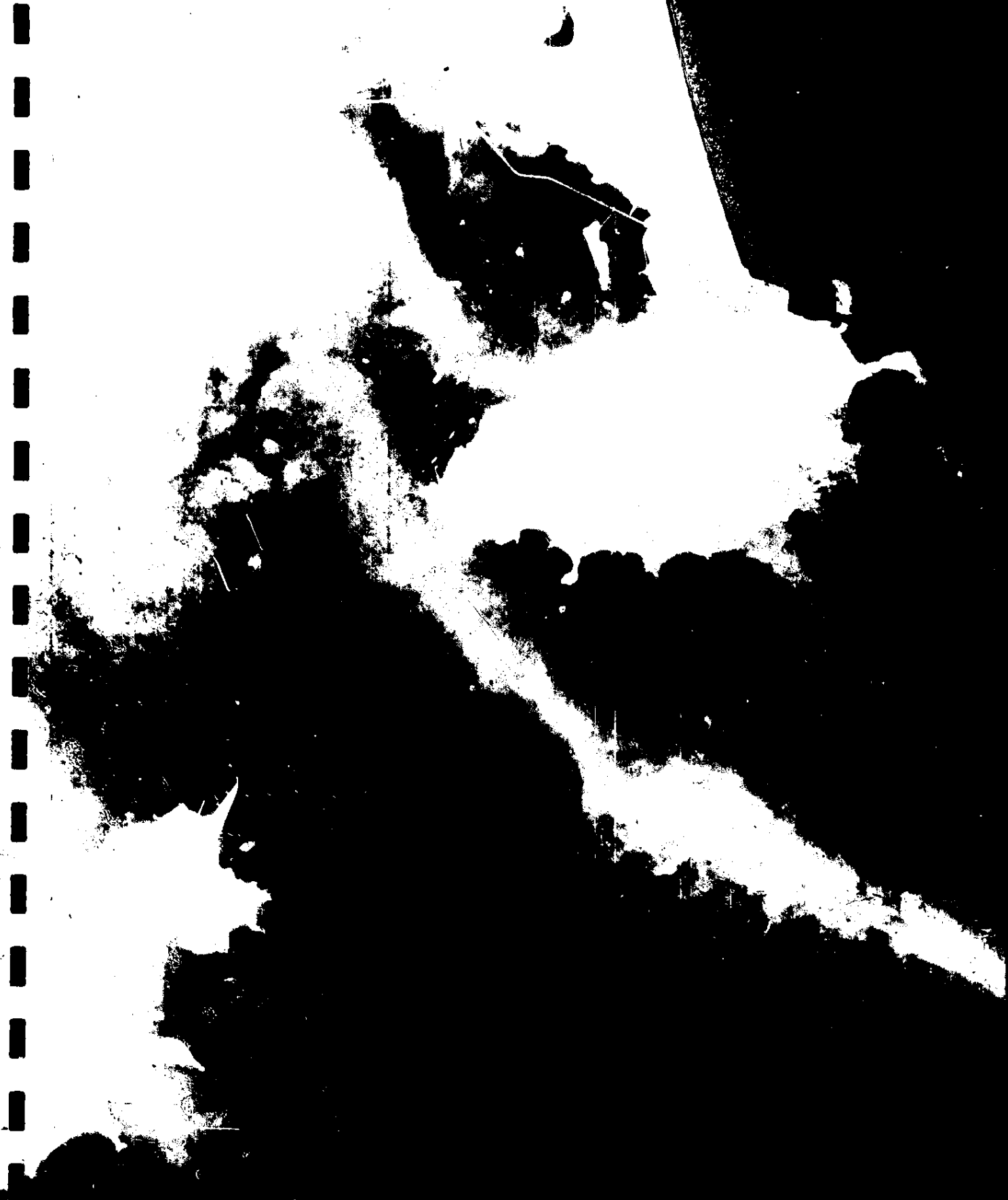
TOP SECRET RUFFS
MSN: 4027
DATE: 20 APR 66
PASS: 087
WAC: 687
CONTROL FRAMES
51544

TOP SECRET RUFF
MSN - 4127
DATE -
PASS - 208
WAC 11 OF 12
NPIC/P-

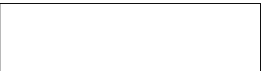
3104

SW 50027









Mail to: Geographic Sciences Division, GIMRADA, Fort Belvoir,
Virginia 22060

Name of Participant Agency USDA-Soil Conservation Service

1. Has the participant had any P.I. experience:

since 1965	<input type="checkbox"/>	in what field(s)
1960-1964	<input type="checkbox"/>	"
1955-1959	<input type="checkbox"/>	"
before 1955	<input checked="" type="checkbox"/>	flood control-agriculture
None	<input type="checkbox"/>	

2. Has the participant had:

extensive P.I. experience	<input type="checkbox"/>	in what field(s)
some P.I. experience	<input checked="" type="checkbox"/>	flood control-agriculture
a little P.I. experience	<input type="checkbox"/>	"

3. Has the participant been associated with P.I. equipment and methodology?

since 1965	<input type="checkbox"/>
1960-1964	<input type="checkbox"/>
1955-1959	<input type="checkbox"/>
before 1955	<input checked="" type="checkbox"/>

4. What subjects or areas of research are of particular interest to the participant?

Interested in the application of P.I. techniques in soil and water resource conservation and development.

(It is assumed that P.I. means Photo Interpretation)

Mail to: Geographic Sciences Division, GIMRADA, Fort Belvoir,
Virginia 22060

25X1

Name of Participant Agency ASCS - A.P. Div.

U.S. Dept. of Agriculture 25X1

1. Has the participant had any P.I. experience: yes.

since 1965	<u>X</u>	in what field(s)	<u>DIA - Production Center - 9C Military - Film readout Target Identification 3 - 2wk. P.I. School - Lowry AFB & Sheppard AFB Geodetic Control location on ASCS Aerial Photos</u>
1960-1964	<u>X</u>	"	
1955-1959	<u>X</u>	"	
before 1955	—	"	
None	—		

2. Has the participant had:

extensive P.I. experience	—	in what field(s)	<u>Some</u>
some P.I. experience	<u>X</u>	"	
a little P.I. experience	—	"	

3. Has the participant been associated with P.I. equipment and methodology? yes

since 1965	<u>X</u>
1960-1964	<u>X</u>
1955-1959	<u>X</u>
before 1955	—

4. What subjects or areas of research are of particular interest to the participant?

Photographic & multisensing technology
and interpretation of results.
What can be done?
How is it done?
How can it be improved?

Mail to: Geographic Sciences Division, GIMRADA, Fort Belvoir,
Virginia 22060

25X1

Name of Participant U.S. Dept. of Agriculture Agency U.S. Forest Service 25X1

1. Has the participant had any P.I. experience:

since 1965	<input checked="" type="checkbox"/>	in what field(s)	} Use of aerial photographs in Forest and forest inventory
1960-1964	<input checked="" type="checkbox"/>	"	
1955-1959	<input checked="" type="checkbox"/>	"	
before 1955	<input checked="" type="checkbox"/>	"	
None	<input type="checkbox"/>		

2. Has the participant had:

extensive P.I. experience	<input type="checkbox"/>	in what field(s)	Same as No. 1
some P.I. experience	<input checked="" type="checkbox"/>	"	
a little P.I. experience	<input type="checkbox"/>	"	

3. Has the participant been associated with P.I. equipment and methodology?

since 1965	<input checked="" type="checkbox"/>
1960-1964	<input checked="" type="checkbox"/>
1955-1959	<input checked="" type="checkbox"/>
before 1955	<input checked="" type="checkbox"/>

4. What subjects or areas of research are of particular interest to the participant?

I'm interested in research on and applicability of various remote sensing systems to improve our accuracy and efficiency to:

- 1. Classify land use i.e. forest land, nonforest etc.*
- 2. Estimate timber volume by species on commercial forest land*
- 3. Classify forest and brush land by species cover types*
- 4. Estimate timber volume mortality losses (or the possibility of predicting future loss by being able to recognize plants under stress in advance of death) and estimate total timber volume removals.*

Mail to: Geographic Sciences Division, GIMRADA, Fort Belvoir,
Virginia 22060

25X1

Name of Participant Agency U.S. Dept. of Agriculture.

25X1

1. Has the participant had any P.I. experience:

since 1965	<u>X</u>	in what field(s)	Agriculture
1960-1964	<u>X</u>	"	"
1955-1959	---	"	"
before 1955	---	"	"
None	---		

2. Has the participant had:

extensive P.I. experience	<u>X</u>	in what field(s)	Agriculture
some P.I. experience	---	"	"
a little P.I. experience	---	"	"

3. Has the participant been associated with P.I. equipment and methodology?

since 1965	<u>X</u>
1960-1964	<u>X</u>
1955-1959	---
before 1955	---

4. What subjects or areas of research are of particular interest to the participant?

Agriculture

Mail to: , Geographic Sciences Division, GIMRADA, Fort Belvoir,
Virginia 22060

25X1

Name of Participant Agency Geological Survey

25X1

1. Has the participant had any P.I. experience: Yes

since 1965	___	in what field(s))As an aid in the preparation)of geologic maps))
1960-1964	___	"	
1955-1959	___	"	
before 1955	___	"	
None	___		

2. Has the participant had:

extensive P.I. experience	___	in what field(s))* See below))
some P.I. experience	___	"	
a little P.I. experience	___	"	

3. Has the participant been associated with P.I. equipment and methodology?

since 1965	___) * See below)))
1960-1964	___	
1955-1959	___	
before 1955	___	

4. What subjects or areas of research are of particular interest to the participant?

Use of various types of imagery in (1) more efficient delineation of various geologic units exposed at the surface or near-surface, and, particularly, (2) delineation of various kinds of chemical, mineralogical, thermal, etc., anomaly not readily detected in ordinary photographic imagery.

- * I have had elementary instruction (Harvard University, 1940-41; U.S. Geological Survey, 1957) and practice with stereoplotting instruments, and in the principles of photogrammetry.
- I have had extensive experience, 1942 to present, in the use of aerial photos as an aid to geologic mapping. This includes 1½ years with Military Geology Unit, U.S. Geol. Survey, 1944-45, in which aerial photographs were used intensively for terrain studies. Instruments used were mostly simple stereoscopes.
- I was a Geologic Division member of the Interdivision Committee on Photogrammetric Techniques from 1955 to 1957.

Mail to: Geographic Sciences Division, GIMRADA, Fort Belvoir,
Virginia 22060

25X1

Name of Participant Agency U.S. Geological Survey

25X1

1. Has the participant had any P.I. experience:

since 1965	<input type="checkbox"/>	in what field(s)	
1960-1964	<input type="checkbox"/>	"	
1955-1959	<input checked="" type="checkbox"/>	"	Geologic Field mapping
before 1955	<input checked="" type="checkbox"/>	"	" " "
None	<input type="checkbox"/>		

2. Has the participant had:

extensive P.I. experience	<input type="checkbox"/>	in what field(s)	
some P.I. experience	<input checked="" type="checkbox"/>	"	Some interpretation of
a little P.I. experience	<input type="checkbox"/>	"	stratigraphic relationships and structural features.

3. Has the participant been associated with P.I. equipment and methodology?

since 1965	<input type="checkbox"/>	
1960-1964	<input type="checkbox"/>	NO
1955-1959	<input type="checkbox"/>	
before 1955	<input type="checkbox"/>	

4. What subjects or areas of research are of particular interest to the participant? Geochemical and geophysical hydrology

Mail to: Geographic Sciences Division, GIMRADA, Fort Belvoir,
Virginia 22060

25X1

Name of Participant gency AID

25X1

1. Has the participant had any P.I. experience:

since 1965	<input type="checkbox"/>	in what field(s)
1960-1964	<input type="checkbox"/>	"
1955-1959	<input checked="" type="checkbox"/>	<i>introductory - Vegetative Cover (Range)</i>
before 1955	<input checked="" type="checkbox"/>	<i>introductory - topog & Vegetation & Soil</i>
None	<input type="checkbox"/>	

2. Has the participant had:

extensive P.I. experience	<input type="checkbox"/>	in what field(s)
some P.I. experience	<input type="checkbox"/>	"
a little P.I. experience	<input checked="" type="checkbox"/>	<i>Soils - Vegetation - topog</i>

3. Has the participant been associated with P.I. equipment and methodology?

since 1965	<input type="checkbox"/>
1960-1964	<input type="checkbox"/>
1955-1959	<input checked="" type="checkbox"/>
before 1955	<input checked="" type="checkbox"/>

training - US Navy

4. What subjects or areas of research are of particular interest to the participant?

Utilization of Natural Resources
Agronomy
Economics of Agricultural Development

Mail to: Geographic Sciences Division, GIMRADA, Fort Belvoir,
Virginia 22060

25X1

Name of Participant Agency A.I.D.

25X1

1. Has the participant had any P.I. experience: None

since 1965	<input type="checkbox"/>	in what field(s)
1960-1964	<input type="checkbox"/>	"
1955-1959	<input type="checkbox"/>	"
before 1955	<input type="checkbox"/>	"
None	<input type="checkbox"/>	

2. Has the participant had:

extensive P.I. experience	<input type="checkbox"/>	in what field(s)	None
some P.I. experience	<input type="checkbox"/>	"	None
a little P.I. experience	<input type="checkbox"/>	"	None

3. Has the participant been associated with P.I. equipment and methodology?

None

since 1965	<input type="checkbox"/>
1960-1964	<input type="checkbox"/>
1955-1959	<input type="checkbox"/>
before 1955	<input type="checkbox"/>

4. What subjects or areas of research are of particular interest to the participant?

*General & Electrical Engineer
Power Developments*

Mail to: Geographic Sciences Division, GINRADA, Fort Belvoir,
Virginia 22060

25X1

Name of Participant Agency ESSA-Commerce

25X1

1. Has the participant had any P.I. experience:

since 1965	<input type="checkbox"/>	in what field(s)	
1960-1964	<input type="checkbox"/>	"	
1955-1959	<input type="checkbox"/>	"	
before 1955	<input checked="" type="checkbox"/>	"	Photogrammetric mapping since 1932.
None	<input type="checkbox"/>		

2. Has the participant had:

extensive P.I. experience	<input type="checkbox"/>	in what field(s)	
some P.I. experience	<input checked="" type="checkbox"/>	"	
a little P.I. experience	<input type="checkbox"/>	"	Photogrammetric mapping, topographic.

3. Has the participant been associated with P.I. equipment and methodology?

since 1965	<input type="checkbox"/>	Not P.I. per se, but with photogrammetric
1960-1964	<input type="checkbox"/>	equipment--stereoscopic measuring
1955-1959	<input type="checkbox"/>	devices, since 1932.
before 1955	<input checked="" type="checkbox"/>	

4. What subjects or areas of research are of particular interest to the participant?

I have been engaged in photogrammetric topographic mapping since 1932 with the U.S. Forest Service, Soil Conservation Service, and Coast & Geodetic Survey. I was granted a master's degree in Civil Engineering Photogrammetry by Syracuse University in 1940. My most recent assignments have been in the field of Analytic Aerotriangulation. Many of the same devices and methods of P.I. are also used in mapping; exactly the same mathematical relationships are involved, and general P.I. philosophy is applied throughout topographic mapping procedures. I have had no special training nor work in P.I. per se.

25X1

Mail to: [redacted], Geographic Sciences Division, GIMRADA, Fort Belvoir,
Virginia 22060

25X1

Name of Participant [redacted] Agency ESSA-Commerce

25X1

1. Has the participant had any P.I. experience:

since 1965	<input checked="" type="checkbox"/>	in what field(s) - <i>Geology - Shoreline Processes - class work</i>
1960-1964	<input checked="" type="checkbox"/>	" <i>made one Radial Plot, Some Field P.I. of</i>
1955-1959	<input type="checkbox"/>	"
before 1955	<input type="checkbox"/>	"
None	<input type="checkbox"/>	

2. Has the participant had:

extensive P.I. experience	<input type="checkbox"/>	in what field(s)
some P.I. experience	<input type="checkbox"/>	"
a little P.I. experience	<input checked="" type="checkbox"/>	" <i>radial plot, field work, photo point location - all in training</i>

3. Has the participant been associated with P.I. equipment and methodology?

since 1965	<input checked="" type="checkbox"/>	<i>briefly, in classroom</i>
1960-1964	<input checked="" type="checkbox"/>	<i>training - CTGS</i>
1955-1959	<input type="checkbox"/>	
before 1955	<input type="checkbox"/>	

4. What subjects or areas of research are of particular interest to the participant?

1. *Alongshore Currents*
2. *Estuarine Processes*
3. *Mixing Phenomenon - oceanic*
4. *Shoreline Processes*
5. *Wave Diffraction Studies*
6. *Watermass Location*

Mail to: Geographic Sciences Division, GIMRADA, Fort Belvoir,
Virginia 22060

25X1

Name of Participant Agency ESSA-Commerce

25X1

1. Has the participant had any P.I. experience:

since 1965	<input checked="" type="checkbox"/>	in what field(s)	<i>Hydrography and ocean surface effects</i>
1960-1964	<input checked="" type="checkbox"/>	"	<i>hydrography, hydrology</i>
1955-1959	<input checked="" type="checkbox"/>	"	<i>space and air reconnaissance</i>
before 1955	<input checked="" type="checkbox"/>	"	<i>military subjects, geography, terrain analysis</i>
None	<input type="checkbox"/>		

2. Has the participant had:

extensive P.I. experience	<input checked="" type="checkbox"/>	in what field(s)	<i>Terrain analysis and meteorological data extraction for military purposes</i>
some P.I. experience	<input checked="" type="checkbox"/>	"	<i>military subjects</i>
a little P.I. experience	<input checked="" type="checkbox"/>	"	<i>Oceanography, hydrography, hydrology, geography</i>

3. Has the participant been associated with P.I. equipment and methodology?

since 1965	<input checked="" type="checkbox"/>
1960-1964	<input checked="" type="checkbox"/>
1955-1959	<input checked="" type="checkbox"/>
before 1955	<input checked="" type="checkbox"/>

4. What subjects or areas of research are of particular interest to the participant?

Oceanography
Hydrography
Other earth sciences

25X1

20 April 1967,

(NRIC)

Mail to: Geographic Sciences Division, GIMRADA, Fort Belvoir,
Virginia 22060

25X1

Name of Participant Agency ESSA-Commerce

25X1

1. Has the participant had any P.I. experience:

since 1965	<input checked="" type="checkbox"/>	in what field(s)	Satellite photography and
1960-1964	<input type="checkbox"/>	"	aerial photography
1955-1959	<input type="checkbox"/>	"	
before 1955	<input type="checkbox"/>	"	
None	<input type="checkbox"/>		

2. Has the participant had:

extensive P.I. experience	<input type="checkbox"/>	in what field(s)	Satellite photography
some P.I. experience	<input checked="" type="checkbox"/>	"	and aerial photograph.
a little P.I. experience	<input type="checkbox"/>	"	

3. Has the participant been associated with P.I. equipment and methodology? No.

since 1965	<input type="checkbox"/>
1960-1964	<input type="checkbox"/>
1955-1959	<input type="checkbox"/>
before 1955	<input type="checkbox"/>

4. What subjects or areas of research are of particular interest to the participant?

Radar, snow cover investigation and hydrology.

*NIMBUS
T1120J*

Mail to: Geographic Sciences Division, GIMRADA, Fort Belvoir,
Virginia 22060

25X1

Name of Participant _____ Agency _____

1. Has the participant had any P.I. experience:

since 1965	___	in what field(s)
1960-1964	___	"
1955-1959	___	"
before 1955	___	"
None	___	

2. Has the participant had:

extensive ^y (P.I.) experience	___	in what field(s)
some P.I. experience	___	"
a little P.I. experience	___	"

3. Has the participant been associated with P.I. equipment and methodology?

since 1965	___
1960-1964	___
1955-1959	___
before 1955	___

4. What subjects or areas of research are of particular interest to the participant?

25 April 1967

RESUME OF ACTION TAKEN

1. Contacted [] on 19 April to get more specific identification of the targets for which coverage is required, as reflected in NASA's Accession List for the Earth Resources Aircraft Program Data Bank (March 15, 1967). [] merely sent me another copy of the map.

25X1

25X1

2. On 20 April, contacted [] who said he would attempt to provide list required. He called on 21 April to advise that TID had list and had, at his request, been developing a tabulation of available coverage.

25X1

3. A check on 24 April revealed that this list is incomplete. That which is available is attached and further liaison will be established with []

25X1

4/26/67

PEACEFUL USES Mtg. EOB, [redacted]

25X1

1. Points to be settled :

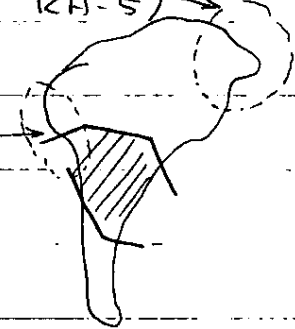
A. Civa of South America to ~~be~~ reported on w PHASE 2

B. Reactions from [redacted] / ACL re : showing sites of interest expressed last week.

25X1

2. [redacted]

25X1

Reported useable coverage (primarily KH-5) for entire area of NE Brazil
Ditto w. Peru and 

3. [redacted] - AID

25X1

Reported that [redacted] was interested in the waist area of S.A.

25X1

Diversification of wealth area - [redacted]

25X1

Peru - still very interesting - "

Question : Spring, water flowing coverage of WAIST AREA ?
Chances better than 50-50

Agreed : KH4 + KH5 photography will be sorted out over West Civa
Within this area a smaller

area will be selected

[Redacted]

25X1

Interested in Recife Area
" " Sao Paulo "

[Redacted]

25X1

AMS to sort out samples from above.

4. Questionnaire Responses Summarized - [Redacted]

25X1

Range from highly experienced (before 1955)
to no experience.
Will have to start from scratch.

Clearances by mid-June.

Starting date 10 July.

BIO-FOLDERS on each team member to Don

5. [Redacted]

25X1

To list areas

HFS to contact [Redacted]

25X1

for coordinates of NASA test sites.

6. PROJECT ARGO

7. Next Meeting at [Redacted]

25X1

7~~th~~ June ~~Thursday~~ 1967

TOP SECRET

WORKING PAPER

25X1

15 February 1966

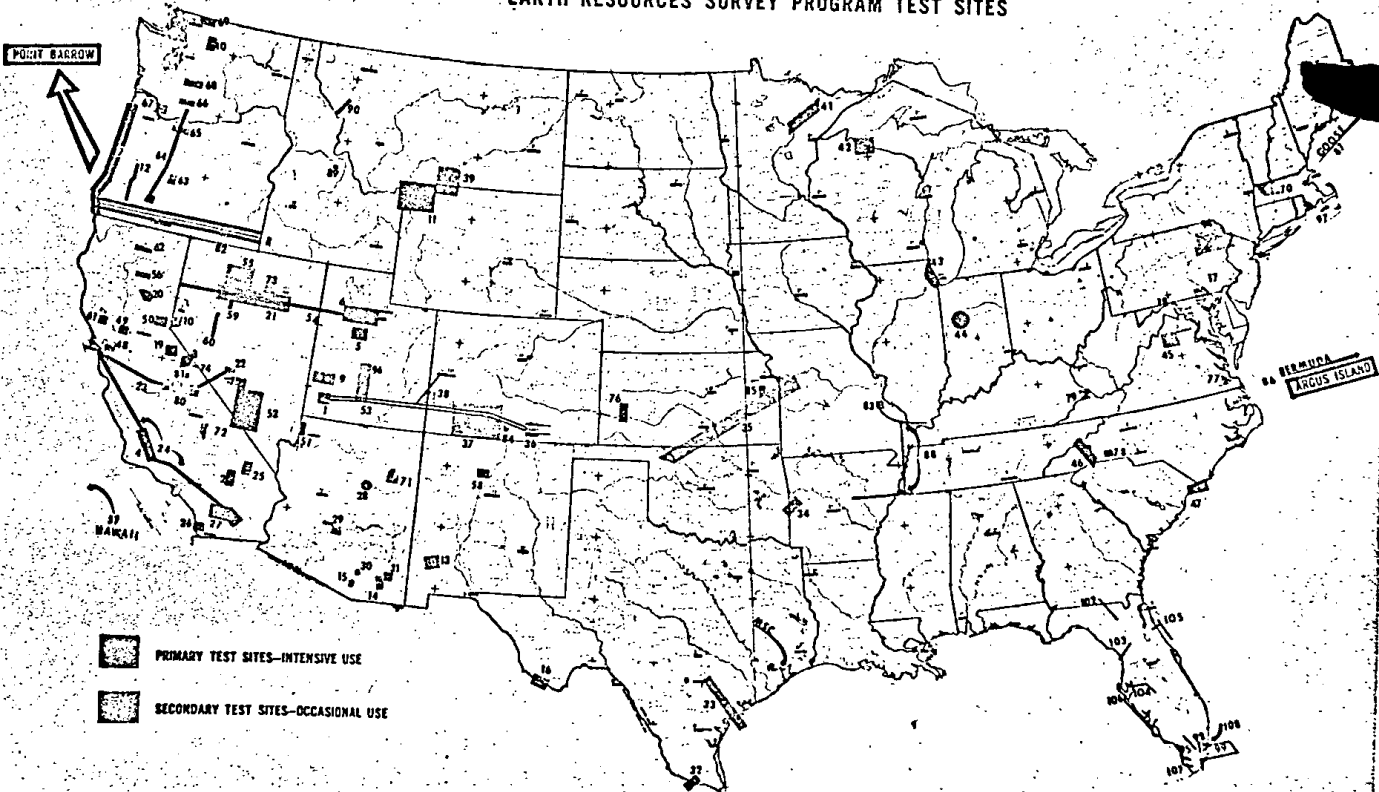
Name	Mission	Pass	Frames	NPIC Control Numbers	
Bonita Lava Flow*	4022	32D	4 & 5 Stereo	58248	
	1020-1	79D	3 & 4 Aft	51897	
Pisgah Crater	4022	16D	6 Strip	58234	
	1021-2	D111E	15 Fwd	51135	
	4024	16D	5 & 6 Stereo	60472	
Mono Crater	1023-2	126D	17 Aft (SC)	55917	
Scripps Beach	4024	16D	8 of 7 & 8 Stereo	60377	
	1004-1*	47D	18 Fwd	28543	
	GT 65-77 (112B)			24 Aft	28595
				149 Fwd (color)	48291
*DP Not Available			147 Aft		
Purdue Farms	1019-1	30D	11 Fwd	49285	
			16 Aft	49348	
Wilcox Plaza	4018	32D	2 Strip	51285	
	1017-1	63D	6 Fwd	45839	
	1021-1	79D	12 Aft	45900	
			11 Fwd	50572	
		17 Aft	50641		
Western Kansas	4016	48D	3 Strip (SC)	46603	
	9044	A09	3 Fwd (SC)	11026	
	1016-1	62D	8 Aft (SC)	11083	
			24 Fwd (HC)	44307	
*Also	9062	47D		27144	
	9062	47D		27205	
	1004-1	31D		28521	
	1004-1	31D		28575	

25X1

TOP SECRET

H. J. ...

EARTH RESOURCES SURVEY PROGRAM TEST SITES



14

NASA HQSA67-15290
11-4-66