

TOP SECRET

[Redacted]

50X1

Copy 3 of 3

15 October 1957

MEMORANDUM FOR: Project Director

SUBJECT : Identification of Collection Capabilities of [Redacted] above that of AQUATONE: Photography and ELINT

50X1

Photography

1. [Redacted] could produce scale of about 1:500 or 1:1,000, 1:1,000 being the anticipated optimum capability of AQUATONE C configuration and 1:5,000 being current A-2 reasonable maximum scale (though certain small areas of interest have been enlarged 25 to 80 times).

50X1

2. [Redacted] cameras, theoretically of course, can operate at night and can operate beneath cloud cover, both of which circumstances frustrate AQUATONE. (For greater detail, see attached memorandum from [Redacted])

50X1

50X1

3. Comment: The use of [Redacted] photography could be achieved only with prior knowledge of the target, such as is revealed by AQUATONE in order to obtain sufficient information to guide the plane to get what is desired. At this juncture, I have very grave doubts that we are in any position to define precisely in regard to any AQUATONE-covered targets what is actually so essential to be photographed at 1:500 or 1:1,000 that is worth the inherent risks.

50X1

ELINT

4. With regard to this subject, I know too little about it to offer any comment and, therefore, refer you directly to [Redacted] memorandum attached. I would think, as he indicates, that it certainly would be worthwhile to see whether smog analysis would be feasible and useful. I am not impressed with the comment on radar mapping capability (see paragraph 6).

50X1

[Redacted]

50X1

[Redacted]

50X1

5. **General Comment on** [Redacted] **I think, as** [Redacted] **indicates,** [Redacted] **would complement very well AQUATONE's capabilities, at least sufficiently so that it ought to be tested and further developed if possible. I confess, I cannot see why it should be put in the theatre at this time, based on our experience with requirements and political permission to operate, unless it was shown there was really extraordinary useful ELINT from shallow penetrations that's not collectible any other way.**

50X1

50X1

[Redacted]

50X1

JAMES Q. REBER
CIA TALENT Control Officer

JQR:cw

Attachments

SAPC-20283 copy 1

[Redacted] copy 1

50X1

- 1-Project Director w/atts
- 2-file
- 3-chrono

[Redacted]

50X1