

4-1944

Photographic Interpretation Handbook, United States Forces: Section 02 Interpretation Check Lists

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**SECTION
CHECK-OFF-LIST 2**

2.01 — 2.99

CHECK-OFF-LIST

RESTRICTED

AIRFIELDS (CONT.)

2. LOCATION. Distance and direction from nearest town.
3. ALTITUDE. Height above sea level of airdrome.
4. LANDMARKS.
 - a. Railroads: RR junctions, bridges, and terminals
 - b. Rivers: Bends, junctions
 - c. Lakes
 - d. Mountains
 - e. Cities and towns
5. FLYING OBSTRUCTIONS.

Any hazards to low flying that exist near the landing ground.
High hills within 10 miles of the field would be included.
6. RUNWAYS.
 - a. Direction (two opposite compass points)
 - b. Length and width
 - c. Surface
 - (1) Paved (all weather)
 - (2) Sodded strips, graded earth, etc.,
(Serviceability limited by weather)

NOTE: When runways are not defined, give length and width of landing areas.

 - d. Area surrounding runways
 - (1) Surface
 - (2) Drainage - (anything affecting serviceability)
7. HANGARS AND WORKSHOPS.
 - a. Number
 - b. Size
 - c. Location
8. DISPERSAL AREA AND FACILITIES.
 - a. Perimeter track and taxiways
 - (1) Surface and width
 - (2) Area dimensions within P.T.
 - b. Location of dispersal areas
 - c. Blast shelters, hangarettes, revetments, hard standings
 - (1) Size and number
 - (a) Small (accommodates wingspan of 50' or less)
 - (b) Medium (accommodates wingspan of 50' to 100')
 - (c) Large (accommodates wingspan of over 100')
 - d. Servicing areas. (Tarmacs, aprons)
9. STORAGE.
 - a. Ammunition
 - b. Fuel
 - c. Water

NOTE: Location, size, and method of storage.

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AIRFIELDS (CONT.)

10. BUILDINGS.
 - a. Location
 - b. Use
 - (1) Administration
 - (2) Barracks and Quarters
 - (a) Number, size, location
 - (3) Supply warehouses
 - (4) Power house
 - (5) Any others that can be determined
11. NIGHT LANDING FACILITIES.
 - a. Location
 - b. Type
 - (1) Visual Lorenz
 - (2) Perimeter or boundary lights
 - (3) Contact lights
 - (4) Flare paths
 - (5) Beacons and floodlights
12. RADIO.
 - a. Location
 - b. Description
 - (1) Radar types
 - (2) RDF types
13. DEFENSE.
 - a. Location (within two miles of A/D)
 - b. Type
 - (1) AA Guns (Heavy, light)
 - (2) M/G positions
 - (3) Searchlights
 - (4) Barrage Balloons
 - (5) Strong points
 - (6) Mine fields
 - (7) Wire
 - (8) Trenches
 - (9) Obstructions (within perimeter track)
 - (a) Moveable barriers on runways
 - (b) Plowed areas
 - (c) Trenches
14. TRANSPORTATION
 - a. Railroads
 - b. Highways
 - c. Water
15. CAMOUFLAGE
 - a. To be added to each section when applicable. Give method and materials used together with extent of completion.
 - b. Dummies and decoys. Give description of method and materials used together with its location, distance and direction in relation to airdrome and its orientation.

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AIRFIELDS (CONT.)

16. MISC. FACILITIES

- a. Field markers
- b. Landing 'T's'
- c. Compass swinging base
- d. Transformer stations
- e. Target butts
- f. M/G rifle ranges
- g. Motor pool

17. EXPANSION POSSIBILITIES

Report possibilities of expanding field or runways. Give direction and distance. State reasons which would definitely limit expansion.

18. AIRCRAFT ACTIVITY

- a. Number
- b. Name
- c. Location
- d. Damaged A/C

19. OTHER ACTIVITY

- a. Expansion
- b. Repair and maintenance

20. REMARKS

Comparison with previous coverages, development, etc.

SEAPLANE BASES

Note catapaults, cranes, buoys, boats; also all pertinent items listed under 1. to 20.

BEACHES

(Adequate photographic reconnaissance of beaches requires frequent sorties under various conditions of weather and tide with further accurate recording of weather and time.)

1. THE BEACH

- a. Location
 - (1) Latitude and longitude of centre.
 - (2) Map and chart references.
 - (3) Landmarks visible from seaward.
- b. Dimensions
 - (1) Length of portion with clear sea approach.
 - (2) Width of bare portion at specified state of tide.
 - (3) Average distance from high to low water line.
- c. Gradient
 - (1) High water line to 4 ft. below low water line.
 - (2) Inboard of high water line.

Note: If gradient varies tabulate gradient or indicate it on a sketch for various sectors of the beach.

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BEACHES (CONT.)

d. Physical Consistency

- (1) Sand
 - (a) Color
 - (b) Hard or soft
 - (c) Coarse or fine
- (2) Sharp or rounded shingle
- (3) Rock
- (4) Mud

Note: Detail information on consistency is required to plan use of tanks and vehicles--whether or not bulldozers and road mats are necessary.

e. Local Use

2. SWELL AND SURF CONDITIONS

- a. Distance from beach to outermost breakers
- b. Relative location of separate lines or patches of breakers having unbroken water between them.
- c. Number and location of lanes of unbroken water through the surf area with approximate width of the lanes and whether or not they are straight or circuitous.
- d. Description of severity of surf summarized by the month or by seasons, including maximum and average height of breaking waves measured from trough to crest, average number of days of calm surf conditions per month or season, and surf conditions for small boats as learned from local fishermen.
- e. Any available data kept locally on characteristics of swell and surf.

3. HYDROGRAPHIC INFORMATION

- a. Nature of bottom, whether rock, sand, shell, mud or smooth.
Note: Seaweed at the high tide line indicates a rocky bottom off the beach (seaweed only grows on a rocky bottom).
- b. Contour lines to 3 ft. and 4 ft. below the low water line.
- c. Reefs, bars, shoals, rocks

Note: Piles of sea shells at the high tide line indicate:

- (1) That the sand is soft, hence shifting (be alert for sudden appearance of outer shoals where none appear at present).
- (2) That the gradient of the beach is gradual and that the water off the beach is shallow. Charts showing water depths and shoals near the beach lines are frequently in error because shoals shift after storms or heavy surf; shoals tend to appear and grow larger during the stormy season and to smooth out during the calm season.

d. Anchorage Areas

- (1) Distance from shore.
- (2) Navigation aids.
- (3) Use by local shipping
- (4) Security
 - (a) Weather
 - (b) Underwater defenses

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BEACHES (CONT.)

- e. Tides and currents.
 - f. Water temperatures.
 - g. Location of telegraph cables.
4. TERRAIN INLAND AND ON FLANKS OF BEACH
- a. Topography
 - (1) Dunes, cliffs, hills and peaks
 - (2) Natural and artificial waterways
 - (3) Swampy land
 - (4) Discoloration and/or small deltas indicating presence of fresh water streams
 - (5) Cover for troops.
 - b. Possible exits.
 - (1) Overland
 - (2) Roads
 - c. Location emergency landing place for aircraft
 - (1) Dimensions
 - (2) Nature of surface
 - d. Location of nearest potable water in quantity
 - e. Location of telegraph, telephone, power lines or transformers
 - f. Railroads
 - g. Habitations
5. DEFENSES: ACTUAL AND POTENTIAL
- a. Coast defense batteries
 - b. AA batteries
 - c. MG positions
 - d. Trenches
 - e. Land and water mines
 - f. Ammunition dumps
 - g. Command posts
 - h. Observation posts
 - i. Underwater nets

DESCRIPTION OF SHORES WITH REEF FEATURES

1. LOCATION OF AREA DESCRIBED
- a. Latitude and longitude
 - b. Map and chart references
 - c. Photo references
 - d. Other reference
 - e. Landmarks visible from seaward
2. GENERAL DESCRIPTION

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DESCRIPTION OF SHORES WITH REEF FEATURES (CONT.)

3. METEOROLOGICAL CONDITIONS
- a. Winds
 - b. Air temperature
 - c. Cloud conditions
 - d. Precipitation
 - e. Miscellaneous
4. WATER CONDITIONS (GENERAL)
- a. Currents
 - b. Water temperature
 - c. Miscellaneous
5. THE REEF AND REEF-FLAT
- a. Location with respect to shore
 - b. Dimensions
 - (1) Length along shore
 - (2) Width to backshore beach
 - (3) If reef is of barrier nature, give size and extent of barrier feature
 - c. Nature of reef and reef-flat
 - Irregular channeled outer limits, etc. Flat described as smooth, sandy, coral heads, etc. Note type of bottom beyond reef, if known.
 - d. Breaks in Reef
 - Coral does not grow where water is too fresh, silty, or lacks turbulence.
 - e. Hydrographic Information
 - (1) Gradient
 - (2) Known depths, from backshore to deep water beyond reef.
 - (3) Note and locate individual reefs, bars, shoals, and coral heads that might form obstructions.
 - (4) Anchorage Areas
 - (a) Distance from shore
 - (b) Navigation aids
 - (c) Use by local shipping
 - (d) Security
 - 1. Weather
 - 2. Underwater defenses
6. SWELL AND SURF CONDITIONS
- a. Locate surf zone with respect to both reef edge and back-shore beach.
 - b. Relative location of broken water areas.
 - (Indication of possible reefs and shoals which are not visible in photos.)
 - c. Lanes of unbroken water through surf area
 - (1) Location
 - (2) Dimensions

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DESCRIPTION OF SHORES WITH REEF FEATURES (CONT.)

- d. Severity of surf at high and low tides, at various times of year, and during various weather conditions.
- e. Near shore currents
- f. Miscellaneous

7. THE BACKSHORE BEACH

- a. Location (specific location on shore)
- b. Dimensions
- c. Gradient
- d. Physical Consistency
 - (1) Sand
 - (2) Shingle
 - (3) Rock
 - (4) Mud
- e. Vegetation (if present)
- f. Miscellaneous

Note any beaches separately that lack an appreciable reef fringe, following handbook outline. These would generally be the best landing beaches.

8. THE LAGOON

- a. Location
- b. Extent
- c. Entrances
 - (1) Location
 - (2) Size
 - (3) Depth
 - (4) Obstructions
- d. Hydrographic Information
 - (1) Nature of bottom
 - (2) Known depths, gradient
 - (3) Reefs and shoals, etc. (separately described and located)
 - (4) Anchorage areas
 - (a) Distance from shore
 - (b) Navigation aids
 - (c) Use by local shipping
 - (d) Security
 - (1) Weather
 - (2) Underwater defenses
 - (e) Tides and currents
 - (f) Miscellaneous

9. TERRAIN INLAND AND ON FLANKS OF BEACHES

- a. Topography
- b. Vegetation
- c. Routes of movement to and from beaches (communication to beach)
- d. Locations for possible airplane landing sites.
- e. Possible water supply
- f. Location of telephone, telegraph, power, etc.
- g. Roads and railroads
- h. Habitations
- i. Miscellaneous

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DESCRIPTION OF SHORES WITH REEF FEATURES (CONT.)

10. DEFENSES

- a. Coast defenses
- b. AA batteries
- c. MG positions
- d. Trenches
- e. Land and water mines
- f. Ammunition dumps
- g. Command posts
- h. Observation posts
- i. Barbed wire
- j. Underwater defenses
- k. Miscellaneous

DAMAGE ASSESSMENT

1. TARGET OF PRECISION BOMBING

This usually includes one of the following specific targets:

- a. Industry
- b. Ships
- c. Port facilities (slips, U-boat pens, docks, warehouses, etc.)
- d. Transportation (stations, shops, railways, rolling stock, roads, etc.)
- e. Military installations (airdromes, camps, dumps, fortifications, etc.)

SUMMARY: Give a brief statement on the severity of damage, and mention any specific, important buildings or installations which have been damaged or destroyed.

REPORT: If damage in target area is appreciable, issue an annotated print. Describe and number each item of damage and state that the numbers refer to items on print No. distributed.

List damage to most important items first, maintaining as much order in the numbering of items as possible. (Example: 1. Power House, N. end destroyed by direct hit.)

If important buildings are not identified, describe or give dimensions in feet. (Example: 2. Building, shed type, 400' x 250' destroyed by fire.)

When description of damage to target is complete, annotate (if shown on print) and describe any other important points of damage outside the target area.

2. TARGET OF AREA BOMBING

This may include all or some of the following:

- a. Industry
- b. Ships
- c. Port facilities
- d. Transportation
- e. Military installations (aerodrome, camps, dumps, fortifications)
- f. Public utilities (gas, electricity works, etc.)

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DAMAGE ASSESSMENT (CONT.)

- g. Public buildings (Government, National, and Civic)
- h. Commercial, business, and residential property

SUMMARY: A general statement on severity of raid over the whole area, with special reference to the area most severely damaged.

Following the general comment, make a brief statement about important industries, ships, port facilities, etc., which may be destroyed or damaged.

REPORT: Itemize list of damaged targets under the following heads:

- | | | | |
|---|---|------------------------|--------------|
| (1) INDUSTRIAL
Name or type
Industry | Location by
District or Street | Statement
of Damage | Print
No. |
| (2) SHIPPING
Naval Vessels,
M/V's etc. | Location -Hafen
or from Reference
Point | Statement
of Damage | Print
No. |
| (3) PORT FACILITIES
Docks, Slips, etc. | Location -Hafen
or from Reference
Point | Statement
of Damage | Print
No. |
| (4) TRANSPORTATION
Stations, Yards,
Rolling Stock, etc. | Location, District
or pinpoint | Statement
of Damage | Print
No. |
| (5) MILITARY INSTALLATIONS
Gun emplacements,
Camps, etc. | Location, District
or pinpoint | Statement
of Damage | Print
No. |
| (6) PUBLIC UTILITIES
Gas, Water,
Electricity wks.
etc. | District or
Street | Statement
of Damage | Print
No. |
| (7) PUBLIC BUILDINGS
Administrative
offices, City
Halls, etc. | District or
Street | Statement
of Damage | Print
No. |
| (8) BUSINESS AND RESIDENTIAL
Each area in acres; or, if scattered, state approximate number of fire or H.E. incidents. | | | |
| (9) APPENDAGES
(a) Illustrations for reports on area targets should include one or two annotated photographs showing areas of concentrated damage. Print annotations should be described in an appendix to the main body of the report. | | | |

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DAMAGE ASSESSMENT (CONT.)

- (b) In the case of very severe area bombing, a Damage Plot of the target may be issued, showing destroyed or damaged areas on a rotoprint of the area covered.
- (c) Plans used.

(10) **AIRCRAFT:** Aircraft not in flight shall be considered destroyed when:

- (a) Seen by photograph to have been blown apart or burned out; or
- (b) Seen by strike photo to have been within unobstructed lethal radius of a fragmentation bomb.

ELECTRONICS

A-RADIO

SUMMARY: A brief description as follows:

1. **LOCATION.** (By geographic coordinates and/or by distance and direction from nearest town)
2. **ANTENNAS.** (Number and type)
3. **BUILDINGS.** (Number and type; i.e., large control, small generator, etc.)
4. **POWER SOURCE.** (When determinable)

REPORT

1. **ANTENNAS.**
 - a. Number, type of construction, and height
 - b. Arrangement of Arrays
2. **BUILDINGS.**
 - a. Control
 - (1) Location in area
 - (2) Complete description of size, shape, type of construction
 - b. Associated Personnel
 - (1) Site location in general area
 - (2) Complete description of number of buildings, size, type of construction, usage when determinable, revetments, if any.
3. **CABLE LINES.** (General description of location, from towers to control and/or generator building, etc.)
4. **POWER SOURCES.**
 - a. Generator/transformer building, location and dimensions
 - b. High tension line for outside source.

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ELECTRONICS (CONT.)

B - RADAR (AND D.F.)

SUMMARY: A brief description as follows:

1. LOCATION. (By geographic coordinates and/or by distance and direction from nearest town)
2. RADAR SETS. (Number and type)
3. BUILDINGS. (Number and type; i.e., control building for each set, personnel building)
4. POWER SOURCE. (Outside source or independent)

REPORT

1. RADAR SETS.
 - a. Location of each set in the area
 - b. Number of each type of set with name of set
 - c. Size of set, shape, evidence of operation
 - d. Revetment, description if applicable
2. BUILDINGS.
 - a. Control
 - (1) Location in area
 - (2) Complete description of size, shape, type of construction, revetments, if any.
 - b. Associated Personnel
 - (1) Site location in the general area
 - (2) Complete description of number of buildings, size, type of construction, usage when determinable, revetments, if any.
3. POWER SOURCE.
 - a. Complete description of generator buildings, power lines, etc.

GROUND FORCES

SUMMARY: A brief statement summarizing the amount and type of defenses in the area covered.

REPORT

1. TERRAIN
 - a. Coastal Terrain
 - (1) Coastal terrain
 - (2) Beaches
 - (a) Exits for wheeled and tracked vehicles
 - (b) Exits for tracked vehicles only
 - (c) Exits for infantry only

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GROUND FORCES (CONT.)

- b. Inland Terrain
 - (1) Watershed
 - (2) Natural cover
 - (3) Vegetation
 - (4) Man made features
 - (5) Communications

2. MILITARY DEFENSES

- a. Coastal Defense (Gun batteries only)
 - (1) Location
 - (2) Number
 - (3) Calibre and type mounting
 - (4) Spacing and layout
 - (5) Field of fire
 - (6) O.P.'s and fire control
 - (7) Supporting defenses
 - (8) Ammunition
 - (9) Crew's quarters
 - (10) Transportation facilities
 - (11) Terrain
 - (12) Approaches
 - (13) Conspicuous landmarks
- b. Major Defenses (with field guns or larger)
 - (1) Location
 - (2) Type and description
 - (3) Field of fire
 - (4) Supporting defenses
 - (5) Transportation and communication facilities
 - (6) Terrain
 - (7) Approaches
 - (8) Conspicuous landmarks
- c. Minor Defenses
 - (1) Anti-tank and anti-mechanized
 - (a) Location
 - (b) Terrain
 - (c) Type and description
 - (d) Extent
 - (2) Anti-personnel
 - (a) Location
 - (b) Terrain
 - (c) Type and description
 - (d) Extent
 - (3) Minor defenses
 - (a) Location
 - (b) Type and description
 - (c) Extent
- d. Barracks and Hutted Camps
 - (1) Quarters
 - (a) Location
 - (b) Number, size, and type of buildings
 - (c) Capacity
 - (d) Auxiliary buildings

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GROUND FORCES (CONT.)

- (2) Supply area
 - (a) Location
 - (b) Number, size, and type of buildings
 - (c) Material stored
 - (d) Capacity
- (3) Supporting defenses
 - (a) Location
 - (b) Type and description
 - (c) Extent
- (4) Power and water supply
 - (a) Location
 - (b) Type and description
- (5) Communications
 - (a) Location
 - (b) Type and description
- (6) Transportation facilities
 - (a) Location
 - (b) Type and description
 - (c) Capacity
 - (d) Signs of use
- e. Supply Depots and Dumps
 - (1) Buildings and storage facilities
 - (a) Location
 - (b) Type and description
 - (c) Material stored
 - (d) Capacity
 - (2) Supporting Defenses
 - (a) Location
 - (b) Type and description
 - (c) Extent
 - (3) Transportation facilities
 - (a) Location
 - (b) Type and description
 - (c) Capacity
 - (d) Signs of use
- f. Anti-aircraft
 - (1) Gun positions
 - (a) Location
 - (b) Number of guns
 - (c) Calibre and type mounting
 - (d) Spacing and layout
 - (e) Type and location of fire control
 - (f) Supporting defenses
 - (g) Ammunition
 - (h) Crews quarters
 - (i) Transportation and communication facilities
 - (2) Searchlights
 - (a) Location
 - (b) Number
 - (c) Controls and power

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GROUND FORCES (CONT.)

- (3) Barrage Balloons
 - (a) Location
 - (b) Number
 - (c) Size
 - (d) Spacing
- (4) Air Warning Service
 - (a) Location
 - (b) Type and description

NOTES: This form for use only on first coverage of an area. Where prior coverage has been made, only changes, additions, and subtractions will be reported.
The order in which general headings will be covered will vary to meet existing conditions.

REFERENCE: TM 30-480, TM 5-246

INDUSTRIAL

SUMMARY:

1. LOCATION. (By geographical coordinates and/or by distance and direction from nearest town)
2. TYPE OF PLANT AND PRODUCTS. (As specifically as the available information will allow)
3. CHARACTERISTICS OF SITE. (Shape, largest dimensions, geographical landmarks in vicinity, such as roads, canals, etc.)

REPORT

1. TRANSPORTATION FACILITIES
 - a. Type of transportation
 - b. Location of facilities in relation to plant site.
2. POWER FACILITIES
 - a. Outside power sources (high lines and transformer yards, location and dimensions; gas and steam lines)
 - b. Internal power plant, number and location. (Location may be indicated by reference to the keyed plan. Size of buildings, and number of stacks, if any. Type of fuel and size and location of stock pile or storage tanks which contain it. Approximation of power output, if possible.)

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INDUSTRIAL (CONT.)

3. ANALYSIS OF PLANT. (Detailed analysis of each plant installation)
 - a. Buildings
 - b. Outdoor processing equipment
 - c. Storage tanks
 - d. Stock piles
 - e. Handling equipmentGive location (may be indicated again by reference to keyed plan), size of each installation, and, if possible, its function also.

4. PLANT PROCESS.

If the process used in the plant is complex and not readily understandable from the detailed analysis of the plant in Section 3, above, a brief description of the general process used should be added either here or immediately before Section 3,

A flow diagram may be included to clarify this description.

5. PRODUCTION OF PLANT. (including state of operation) Estimate, if not available from other sources.

APPENDIX:

1. CAMOUFLAGE. (General description extent, methods and materials used)
2. DEFENSES. (General description, location)

The report must be accompanied either by annotated photographs or preferably by photographs and a keyed overlay or enlarged plan drawing.

NOTE:

The suggested report form is not a fixed guide, since industrial reports vary more than any other type. The principal factor in this variation is the amount and quality of ground information available. All possible ground sources must be checked before the report is written, since in some cases a report is of little value if it is derived solely from interpretation of aerial photographs. The most essential information, for instance, in any industrial report is a statement of the type of plant and what it is producing. This information is often obtainable only from ground sources. If, however, ground information is not available, the report should none the less be made as complete as possible.

NAVAL AND MERCHANT SHIPPING

SUMMARY: List all vessels present under following headings:

1. Naval Vessels
2. M/V's over 200'. Differentiate where possible AP's, AK's, and AO's, listing lengths and total gross tonnage.
3. M/V's under 200'.

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CHECK-OFF-LIST

NAVAL AND MERCHANT SHIPPING (CONT.)

DETAIL OF REPORT.

1. List by location in port all vessels present, using arbitrary point of reference if necessary.
2. List Naval and Merchant Vessels under separate headings, indicating arrivals, departures, and movements since previous sortie.
3. Indicate construction refits or damage of particular vessels either as initial statement or as comparison with previous sortie.
4. For new Naval Vessels, include sketch where possible, and under description of hull include comments on size, armament, armor, hull type, masts, funnels, superstructure, and miscellaneous information or activity of interest.

NOTE: For identification see Sections XIV and XV.

PORTS

1. LOCATION.
Distance and direction from nearest town and directional extension of port. Anchorage area available within harbor.
2. LANDMARKS.
 - a. Types, location, and number of entrances.
 - b. Moles, breakwaters, and lighthouses.
3. HARBOR DEFENSES.
 - a. Land: Coastal guns, machine guns, obstacles, and flak installations.
 - b. Water: Net and boom defense, including anti-submarine and torpedo nets, mines, and fixed obstructions.
 - c. Air: Barrage balloons and aircraft.
4. SHIP BUILDING AND REPAIR FACILITIES
See Section XIV for check-off list and diagrammatic layout of typical shipyard and adjacent facilities.
5. CARGO HANDLING.
 - a. Berthing capacity in linear feet.
 - b. General cargo handling facilities.
 - c. Elevators, warehouses, and storage facilities.
 - d. Fuel oil and coaling facilities.
 - e. Location and availability of railroad lines and truck highways.

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TRANSPORTATION

SUMMARY: Give a general description of the transportation facilities in the area covered by the photographs.

A-RAILROADS

REPORT

(1) TRACKAGE--For each main line, state:

- a. Location and direction.
- b. Gauge and number of tracks (on main line).
- c. Bridges, culverts, tunnels. Location, size and type of construction.
- d. Cuts and Fills. Location and size.
- e. Electrification (if any present). Description of catenary system; number, location and size of transformer yards, if any; source of power discernible.
- f. Activity. Direction of motion of trains, number and type of locomotives and cars.

(2) RAILROAD YARDS-- For each yard, include unusual features of layout.

- a. Location and direction of main axis.
- b. Type or function of yard.
- c. Size and capacity of yard--maximum dimensions, number and length of tracks, total trackage, capacity.
- d. Service and repair installations.
 - (1) Engine house. Location in yard, type (round, rectangular, etc.), size, capacity.
 - (2) Coal, water, and sand stations. Location and type of construction.
 - (3) Car repair shops. Location, function (if discernible), size, capacity.
- e. Loading installations
 - (1) Station (passenger or freight). Location in yard, dimensions, number and length of platforms or tracks.
 - (2) Other loading facilities. Team tracks, rail and water loading facilities.
- f. Activity
 - (1) Percentage of yard occupied
 - (2) Locomotives. Number and type
 - (3) Cars. Number and type; loaded or empty; type of load, if discernible.Note particularly military rolling stock, RR flat cars, or military trains.

NOTE: If reporting on a large yard, give total number of cars by sections. (e.g. receiving, dispatching, storage sections) If not, give total number in yard.

- (4) Complete trains. Number and composition; directions of motion; location (if large yard only) by sections of yard.
- (5) Special activity. Locomotives and cars being serviced or under repair; cars loading or unloading.
- (6) Change in activity, since last cover.

RESTRICTED

RESTRICTED

CHECK-OFF-LIST

TRANSPORTATION (CONT.)

B-HIGHWAYS

1. MAJOR HIGHWAYS

- a. Highway system. Location, direction, surface type, width in feet, number of lanes.
Also state any special conditions present, particularly those affecting military movements, such as road repair and construction, road blocks (size and type), maximum gradients of roads in mountainous country.
- b. Traffic circles, clover-leaf intersections, and other important road junction. Location, type of junction, serviceability.
- c. Bridges, culverts and tunnels. Location, size and type of construction.
- d. Cuts and fills. Location, size.
- e. Minor connecting roads.

C-CANALS

1. CANAL NETWORK.--For each canal, give the following information:

- a. Location, direction and width (in feet).
- b. Locks. Include for each lock series: Location, lift (in feet); number of 'steps'; size of lock basin; size and construction of lock gates, description of power facilities; state of activity.
- c. Basins. Include for each: Location, size, berthing spaces, loading facilities, state of activity, (barges in storage basins, barges loading and unloading).
- d. Other loading points (along canal). Report as for basins.

2. BRIDGES AND AQUEDUCT OVERPASSES.-- State for each: Location, size, construction (lift or fixed), clearance above level of canal.

3. ACTIVITY.

- a. Traffic on canal. Number of barges, loaded or empty, type of cargo, if discernible, stationary or moving, direction of movement; stored loading or awaiting passage.
- b. Change in activity, since last cover.

RESTRICTED

CHECK-OFF-LIST

RESTRICTED

TRANSPORTATION (CONT.)

D-GENERAL

1. Give print numbers covering each installation following its description.
2. Every important installation, such as bridges, road or rail junctions, etc., should be located by map or grid coordinates.
3. This report will very rarely be submitted in its entirety. Usually one section will be described, such as the road net or canal system of an area, or even one installation only, such as a railroad station, a marshalling yard, or a canal lock series. Again, a very common type of transportation report is one which describes only the transportation activity of a certain area over a period of time, and omits all reference to fixed installations. The whole form is given here only in order that the interpreter may be able to extract from it those sections which fit the particular requirements of the occasion.

SAMPLE NAVY P.I. REPORT HEADING

PHOTO INTERPRETATION REPORT NO. 3

April 3, 1944

LOCALITY - Wake Island; 166° 35' E - 19° 17' N.
SORTIE - ENT 2-M1
DATE TAKEN - March 15, 1944
MEAN TIME - 1530
FOCAL LENGTH - 12"
ALTITUDE - 5000'
CONTACT SCALE - 1 5000
COVERAGE (AREA) - (Actual area covered)
MAP REFERENCE - HO Chart 123
LAST COVER - Dec. 19, 1943
ENCLOSURES - (A) Overlay

SUMMARY

DETAIL OF REPORT

PHOTO
REFERENCE

RESTRICTED