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1 REFERENCE: [REDACTED] NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER  
ATTACHMENT TO L-3115  
10 MAY 1967  
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POST-STRIKE, [REDACTED]  
IRON AND STEEL COMBINE  
THAI NGUYEN, NORTH VIETNAM  
2133N 10552E

25X1

[REDACTED]

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1. SIGNIFICANCE:

THIS BRIEFING BOARD DEPICTS STRIKE DAMAGE RESULTING FROM THE AIR STRIKES OF 30 MARCH THROUGH 18 APRIL 1967 AGAINST THE THAI NGUYEN IRON AND STEEL COMBINE AND PROVIDES A CUMULATIVE DAMAGE ASSESSMENT FOR ALL OF THE AIR STRIKES THROUGH 19 APRIL 1967.

2. LOCATION:

THE IRON AND STEEL COMBINE IS LOCATED APPROXIMATELY THREE NM SOUTH-SOUTHEAST OF THAI NGUYEN.

3. STRIKE DATA:

STRIKE DATA REPORTS THAT THE FIRST AIR STRIKES (10, 11, 18, 21, 25, AND 26 MARCH 1967) AGAINST THE THAI NGUYEN IRON AND STEEL COMBINE WERE CONDUCTED BY USAF F-105'S AND USN A-6'S WHICH EXPENDED A TOTAL ORDNANCE OF SIXTY-FOUR CBU-24, SIXTY-TWO 500-POUND, THREE HUNDRED AND EIGHTY-THREE 750-POUND, ONE HUNDRED AND FIFTY-FIVE 1000-POUND AND SIX 2000-POUND GENERAL PURPOSE BOMBS AGAINST THE TARGET.

ADDITIONAL STRIKES AGAINST THIS INSTALLATION WERE CARRIED OUT ON 30 MARCH, 7, 9, AND 18 APRIL 1967 WITH A TOTAL EXPENDED ORDNANCE OF SIXTY-TWO 500-POUND, ONE HUNDRED AND SIXTY-NINE 750-POUND AND TWENTY-TWO 1000-POUND BOMBS.

SINCE THIS DATE SEVERAL ADDITIONAL STRIKES HAVE BEEN EFFECTED AGAINST THIS COMPLEX.

Excluded from automatic  
downgrading and declassification

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THE THAI NGUYEN RAILROAD STATION YARDS AND SHOPS [REDACTED] 25X1  
HAD BEEN STRUCK PREVIOUSLY IN APRIL AND MAY OF 1966.

4. MISSION READOUT:

POST-STRIKE PHOTOGRAPHY [REDACTED] 25X1

REVEALS THE FOLLOWING NEW DAMAGE TO THE THAI NGUYEN IRON AND STEEL  
COMBINE:

A. IN THE BLAST FURNACE AREA, CRATERS ARE OBSERVED IMMEDIATELY  
ADJACENT TO AND SOUTH OF THE CENTER AND EASTERN CASTING SHEDS, DAMAGING  
THE AIR PIPES BETWEEN THE EASTERN BLAST FURNACE AND THE PRECIPITATORS.  
NO DAMAGE IS OBSERVED TO THE CASTING SHEDS OR TO THE BLAST FURNACES,  
ALTHOUGH THE PROXIMITY OF THE EXPLOSIONS COULD POSSIBLE HAVE CAUSED  
DAMAGE TO THESE UNITS.

THE STOCK TRESTLE BUILDING IS DAMAGED IN THREE AREAS. THE NORTH-  
EAST CORNER OF THE BUILDING AND AN AREA NORTH OF THE EAST SKIP HOIST  
HAVE SUSTAINED LIGHT TO MODERATE DAMAGE. A PORTION OF THE ROOF OF  
THE STOCK TRESTLE, OPPOSITE THE WESTERN BLAST FURNACE, IS REMOVED.

THE EAST AND WEST WALLS OF THE SETTLING POND, SOUTH OF THE BLAST  
FURNACES, ARE DAMAGED.

A MULTISTORY SUPPORT BUILDING SOUTH OF THE WESTERN BLAST FURNACE,  
SUPERFICIALLY DAMAGED BY PREVIOUS STRIKES, IS NOW SEVERELY DAMAGED.  
THE EASTERN HALF OF A SECOND SUPPORT BUILDING HAS SUSTAINED SEVERE  
STRUCTURAL DAMAGE.

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B. AN AREA NEAR THE EAST END OF THE COKE OVENS IS CRATERED WITH DAMAGE TO A STRUCTURE JUST SOUTH OF THE QUENCHING TOWER AND TO ANOTHER STRUCTURE NORTH OF THE QUENCHING TOWER. ADDITIONAL DAMAGE IS OBSERVED TO THE COVERED CONVEYOR BETWEEN THE COKE OVENS AND THE STOCK TRESTLE.

C. IN THE COKE BY-PRODUCTS AREA, THE COVERED CONVEYOR BETWEEN THIS AREA AND THE COKE OVEN COOLING TOWER IS DAMAGED AND INOPERABLE.

D. THE BOILER HOUSE OF THE STEAM PLANT HAS SUSTAINED SEVERE DAMAGE WITH PROBABLE INTERNAL DAMAGE TO THE BUILDING AND EQUIPMENT. THIS COMPONENT IS PROBABLY INOPERABLE.

E. SEVERE DAMAGE IS OBSERVED TO A SMALL SUPPORT BUILDING AT THE EASTERN END OF THE COAL/ORE STORAGE AREA.

F. AT THE EAST END OF THE FABRICATION/FOUNDRY AREA THERE IS SEVERE DAMAGE TO A SMALL SUPPORT BUILDING.

G. IN THE LOCOMOTIVE AND CAR REPAIR SHOP AREA, THE EASTERN MONITOR-ROOF BUILDING IS SEVERELY DAMAGED.

THE FOLLOWING IS A CUMULATIVE BOMB DAMAGE ASSESSMENT BY FUNCTIONAL AREA FOR ALL OF THE AIR STRIKES THROUGH 19 APRIL 1967:

A. BLAST FURNACE AREA: THE STOCK TRESTLE HAS SUSTAINED LIGHT TO MODERATE STRUCTURAL DAMAGE. TWO CASTING SHEDS ARE POSSIBLY DAMAGED, THE AIR AND STEAM PIPING AND THE SETTLING POND ARE DAMAGED, TWO SUPPORT BUILDINGS ARE SEVERELY DAMAGED AND TWO SUPPORT BUILDINGS ARE DESTROYED.

B. SINTERING PLANT AREA: TWO SUPPORT BUILDINGS AND THE WESTERN

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EXTENSION OF THE ORE PROCESSING BUILDING ARE DAMAGED.

C. COKE OVEN AREA: CRATERING IS OBSERVED ON THE EASTERN EDGE OF THE AREA AND TWO SUPPORT STRUCTURES ARE PROBABLY DAMAGED.

D. COKE BY-PRODUCTS PLANT: FOUR SUPPORT BUILDINGS ARE DESTROYED, TWO SUPPORT BUILDINGS ARE DAMAGED, AND THE CONVEYOR SYSTEM IS SEVERELY DAMAGED.

E. OPEN HEARTH FURNACE AREA: THE OPEN HEARTH FURNACE BUILDING HAS SUSTAINED STRUCTURAL DAMAGE AND AN APPENDAGE TO THE BUILDING IS DESTROYED. ONE SUPPORT BUILDING IN THE AREA IS DAMAGED.

F. STEAM PLANT: THE BOILER HOUSE IS SEVERELY DAMAGED AND FIVE SUPPORT BUILDINGS ARE SEVERELY DAMAGED OR DESTROYED.

G. ROLLING MILL UNDER CONSTRUCTION: THE ROLLING MILL IS SEVERELY DAMAGED. FIVE SUPPORT BUILDINGS IN THE AREA ARE DAMAGED AND ONE SUPPORT BUILDING IS DESTROYED.

H. COMPRESSOR BUILDING AREA: THERE IS SLIGHT STRUCTURAL DAMAGE TO THE COMPRESSOR BUILDING AND TWO SUPPORT BUILDINGS ARE DAMAGED.

I. LOCOMOTIVE AND CAR REPAIR SHOPS: THE EASTERNMOST BUILDING HAS SUSTAINED SEVERE STRUCTURAL DAMAGE.

J. FIRE BRICK PLANT: THE FIRE BRICK BUILDING HAS SUSTAINED SEVERE STRUCTURAL DAMAGE AND TWO SUPPORT BUILDINGS ARE DAMAGED.

K. FABRICATION/FOUNDRY AREA: THREE FABRICATION BUILDINGS ARE DAMAGED. TWO SUPPORT BUILDINGS ARE DAMAGED.

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L. ADMINISTRATIVE AREA: ONE ADMINISTRATION BUILDING HAS SUSTAINED STRUCTURAL DAMAGE AND THREE SUPPORT BUILDINGS ARE DAMAGED.

M. COAL/ORE STORAGE AREA: TWO SUPPORT BUILDINGS ARE DAMAGED.

N. WAREHOUSE AREA: NINE STORAGE BUILDINGS ARE DESTROYED, SEVEN STORAGE BUILDINGS ARE DAMAGED, THREE SUPPORT BUILDINGS ARE DESTROYED AND TWO SUPPORT BUILDINGS ARE DAMAGED.

O. CONVEYOR SYSTEMS: ALL CONVEYOR SYSTEMS EXCEPT THE CONVEYOR WITH THE COAL/ORE STORAGE AREA ARE DAMAGED AND INOPERABLE.

EIGHT BARGES/SMALL RIVER CRAFT (TWO OF WHICH ARE DAMAGED) ARE OBSERVED WITHIN THE COMBINE AND NINETEEN APPARENTLY UNDAMAGED BARGES/SMALL RIVER CRAFT ARE NOTED IN THE LANG LAU BARGE CONSTRUCTION YARD

[REDACTED] AT LEAST FOURTEEN ADDITIONAL UNDAMAGED BARGES ARE LOCATED ON THE SONG CA (RIVER) EAST OF THE BARGE LAUNCH AREA AND ONE IS OBSERVED ON THE SOUTH BANK OF THE RIVER AT THE LAUNCH POINT.

5. NOTE:

FOR INFORMATION CONCERNING PREVIOUS AIR STRIKES AGAINST THIS INSTALLATION AS WELL AS FOR ADDITIONAL BACKGROUND INFORMATION, SEE NPIC BRIEFING BOARDS L-3056, L-3060, L-3080, AND L-3107.

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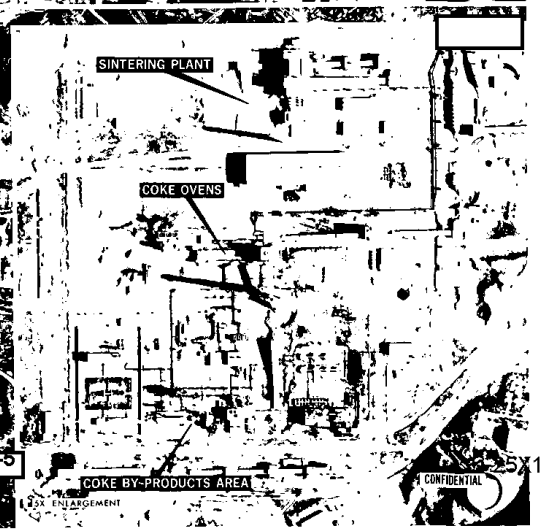
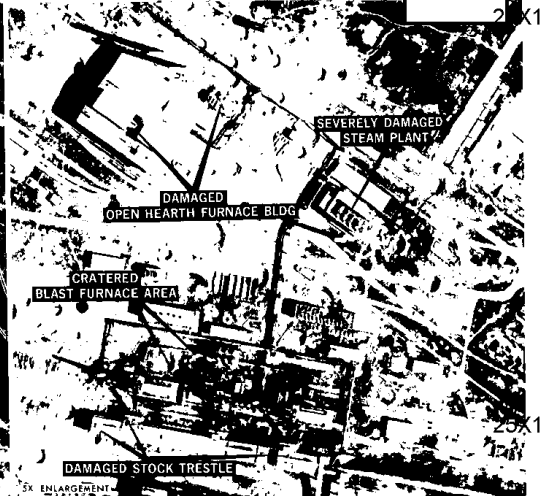
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POST-STRIKE

IRON AND STEEL COMBINE, THAI NGUYEN, NORTH VIETNAM  
21-33N 105-52E



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