

S. J. McKee Archives



Suffield explosion - detonation

<http://archives.brandonu.ca/en/permalink/descriptions14155>

Part Of: Fred McGuinness collection

Description Level: Item

Series Number: McG 9

Item Number: 1-2015.224

Accession Number: 1-2015

GMD: graphic

Date Range: [1961-1964]

Physical Description: 8" x 10" (b/w)

History /

Biographical:

Suffield, Alberta, is situated approximately 40km northwest of Medicine Hat, Alberta. A few "large explosive events" (100 to 500 tons) were conducted at the Defence Research Board's (DRB) Suffield Experimental Station in the 1960s. On 19 January 1961, Medicine Hat citizens felt tremors in the community as a result of five tons of TNT being detonated at the station. The station director attributed this anomaly to freak atmospheric and weather conditions. At the time the DRB was testing the effects of shock waves on military equipment.

In July 1964, the Suffield Experimental Station detonated 30,600 blocks of TNT - 500 tons - to test the largest, non-nuclear, non-confined, surface blast. Placed in various sections radiating from ground zero to test the effects of the blast were targets, dummy-men, miscellaneous instruments, mines, model ships, nose cones, respirators, vehicles, subterranean chambers, shelters, tunnels, foxholes, and trenches. Several hundred people were expected to observe the blast, including 80 "official observers" and a VIP party of military and research personnel from Canada, the United States, and Britain.

(Sources: "Hellyer Heads VIP List Coming Here for SES Blast," Medicine Hat News, 09 July 1964, 7; Patrick J. Roe, "Blast Area Awaits a Cloudless Day," Medicine Hat News, 16 July 1964, 2; "Suffield Explosion Felt Here," Medicine Hat News, 19 January 1961, 7)

Scope and Content:

Photograph shows a detonation at the Suffield Experimental Station.

Name Access: Suffield Experimental Station

Suffield Explosion

Subject Access: military training

military

explosions

Storage Location: RG 5 photograph storage drawer 2 (hanging photos)

Arrangement:

BR #3 30-personal

Images



Suffield explosion - detonation

<http://archives.brandonu.ca/en/permalink/descriptions14207>

Part Of:	Fred McGuinness collection
Creator:	Photographer: S.E.S. Color Photo
Description Level:	Item
Series Number:	McG 9
Item Number:	1-2015.276
Accession Number:	1-2015
GMD:	graphic
Date Range:	1964
Physical Description:	14" x 11" (colour)
Physical Condition:	Emulsion is cracking and photograph is starting to warp

History /

Biographical:

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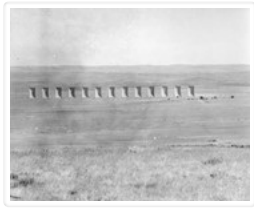
(Sources: "Hellyer Heads VIP List Coming Here for SES Blast," Medicine Hat News, 09 July 1964, 7; Patrick J.Roe, "Blast Area Awaits a Cloudless Day," Medicine Hat News, 16 July 1964, 2; "Suffield Explosion Felt Here," Medicine Hat News, 19 January 1961, 7)

Scope and Content:

Photograph shows a detonation at the Suffield Experimental Station.

Name Access: Suffield Experimental Station
Suffield Explosion
Subject Access: military training
military
explosions
Repro Restriction: Photograph may be subject to Canadian Copyright Laws
Conservation: To be processed in humidification chamber (ST 2016-02-03)
Storage Location: McGuinness oversize storage drawer (1-2015)
Arrangement:
Funny trunk

Images



Suffield explosion - pre-detonation

<http://archives.brandonu.ca/en/permalink/descriptions14156>

Part Of: Fred McGuinness collection
Description Level: Item
Series Number: McG 9
Item Number: 1-2015.225
Accession Number: 1-2015
GMD: graphic
Date Range: [1961-1964]
Physical Description: 10" x 8" (b/w)

History /

Biographical:

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In July 1964, the Suffield Experimental Station detonated 30,600 blocks of TNT - 500 tons - to test the largest, non-nuclear, non-confined, surface blast. Placed in various sections radiating from ground zero to test the effects of the blast were targets, dummy-men, miscellaneous instruments, mines, model ships, nose cones, respirators, vehicles, subterranean chambers, shelters, tunnels, foxholes, and trenches. Several hundred people were expected to observe the blast, including 80 "official observers" and a VIP party of military and research personnel from Canada, the United States, and Britain.

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Scope and Content:

Photograph shows blast targets/dummies pre-detonation at the Suffield Experimental Station.

Name Access: Suffield Experimental Station

Suffield Explosion

Subject Access: military training

military

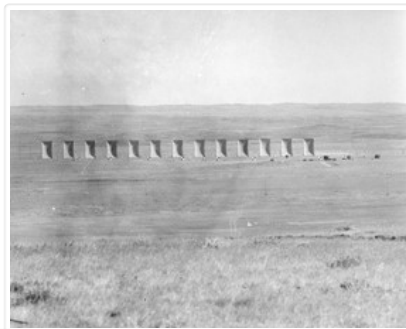
explosions

Storage Location: RG 5 photograph storage drawer 2 (hanging photos)

Arrangement:

BR #3 30-personal

Images



Suffield explosion - pre-detonation

<http://archives.brandonu.ca/en/permalink/descriptions14157>

Part Of: Fred McGuinness collection

Description Level: Item

Series Number: McG 9

Item Number: 1-2015.226
Accession Number: 1-2015
GMD: graphic
Date Range: [1961-1964]
Physical Description: 10" x 8" (b/w)

History /

Biographical:

Suffield, Alberta, is situated approximately 40km northwest of Medicine Hat, Alberta. A few "large explosive events" (100 to 500 tons) were conducted at the Defence Research Board's (DRB) Suffield Experimental Station in the 1960s. On 19 January 1961, Medicine Hat citizens felt tremors in the community as a result of five tons of TNT being detonated at the station. The station director attributed this anomaly to freak atmospheric and weather conditions. At the time the DRB was testing the effects of shock waves on military equipment.

In July 1964, the Suffield Experimental Station detonated 30,600 blocks of TNT - 500 tons - to test the largest, non-nuclear, non-confined, surface blast. Placed in various sections radiating from ground zero to test the effects of the blast were targets, dummy-men, miscellaneous instruments, mines, model ships, nose cones, respirators, vehicles, subterranean chambers, shelters, tunnels, foxholes, and trenches. Several hundred people were expected to observe the blast, including 80 "official observers" and a VIP party of military and research personnel from Canada, the United States, and Britain.

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Scope and Content:

Photograph shows blast targets/dummies post-detonation at the Suffield Experimental Station.

Name Access: Suffield Experimental Station

Suffield Explosion

Subject Access: military training

military

explosions

Storage Location: RG 5 photograph storage drawer 2 (hanging photos)

Arrangement:

BR #3 30-personal

Images



Suffield explosion - waiting



<http://archives.brandonu.ca/en/permalink/descriptions14154>

Part Of: Fred McGuinness collection

Description Level: Item

Series Number: McG 9

Item Number: 1-2015.223

Accession Number: 1-2015

GMD: graphic

Date Range: [1961-1964]

Physical Description: 10" x 8" (b/w)

History /

Biographical:

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Scope and Content:

Photograph shows observers waiting for a detonation at the Suffield Experimental Station. Camera operators can be seen on the right waiting to film the blast.

Name Access: Suffield Experimental Station

Suffield Explosion

Subject Access: military training

military

explosions

Storage Location: RG 5 photograph storage drawer 2 (hanging photos)

Arrangement:

BR #3 30-personal

Images



