
Guide to the Simcha Blass Hydrology of Israel Collection

Collection number: M1438

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Descriptive Summary

Title: Simcha Blass Hydrology of Israel collection

Dates: 1935-1955

Collection number: M1438

Collector: Blass, Simcha

Collection Size: 5 linear ft.6 manuscript boxes, 1 half manuscript box, 1 flat box, 2 map folders

Repository: Stanford University. Libraries. Dept. of Special Collections and University Archives.

Abstract: Contains reports and other documents relating to the hydrology of Israel.

Languages: Languages represented in the collection: English

Access

Collection is open for research; materials must be requested at least 24 hours in advance of intended use.

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Preferred Citation

Simcha Blass Hydrology of Israel collection, M1438. Dept. of Special Collections, Stanford University Libraries, Stanford, Calif.

Acquisition Information

Purchased, 2004 (Accession 2004-167)

Custodial History

Collection was sold to a rare books dealer by an individual purporting to be an intermediary between the dealer and the Blass Family. The collection was subsequently purchased by Stanford University from the dealer.

Biography / Administrative History

Hydrological engineer and entrepreneur Simcha Blass was born in 1897 in Warsaw, Poland, the second of five children. As a boy, his education consisted of both religious and secular studies, and early on he developed a strong interest in engineering and also became intent on settling in the Jewish homeland. At the age of 17 he began his studies at the Wawelberg-Rotband mechanical-technical institute. In 1919 he was drafted and spent 18 months as a private in the Polish Army. After his discharge, he completed his studies and obtained an

engineering credential.

A gifted engineer with a talent for invention, Blass spent most of the 1920s perfecting an implement for planting wheat that eventually increased crop yields by 300 percent. He saw this new device as a key to Jewish settlers' self-sufficiency. But he did not succeed in marketing his invention to investors and manufacturers and was particularly disappointed that it failed to take hold in Palestine. Eventually he came to realize that the main barrier to successful agricultural development and increased Jewish settlement in Palestine was the lack of a steady water supply, and his focus shifted to hydrological engineering.

Simcha Blass's involvement with the development of water resources, first in Palestine and then in the newly established State of Israel, began on a small scale. In the late 1920s, he settled in Deganyah Bet, a small agricultural community on Lake Kinneret, and served as a consultant to several neighboring communities who had obtained funds from the Jewish Agency to install a pumping station to use Jordan River water for irrigation. His success in this project sparked a passion that would endure throughout his career. In 1930, Blass brought his wife from Bialystok, Poland and relocated to Tel Aviv, where he established a hydrological engineering firm. Over the next 30 years, Blass and his associates were key participants in the planning and construction of hydrological projects all over Israel, including the National Water Carrier. This ambitious project, completed in 1964, consists of a series of underground pipelines, open canals, reservoirs, and tunnels, which carry water from Lake Kinneret to the Negev

Simcha Blass died in 1982, in Tel Aviv, Israel.

Sources:

Simhah Blas, *Me merivah u-maas* (Water in strife and action). Ramat-Gan: Masadah, 1973.

Dov Sitton, *Development of water limited water resources: Historical and technological aspects*. The American-Israeli Cooperative Enterprise, 2005. Retrieved from <http://www.jewishvirtuallibrary.org/jsource/Environment/water.html>

Scope and Content of Collection

Contains correspondence, maps, minutes, proposals and technical reports relating to the hydrology of Israel.

Indexing Terms

The following terms have been used to index the description of this collection in the library's online public access catalog.

Savage, John Lucian , 1879-1967

Bibliography

Blas, Simcha *Me merivah u-maas*(Ramat-Gan: Masadah, 1973)

Sitton, Dov *Development of water limited water resources: Historical and technological aspects*(The American-Israeli Cooperative Enterprise, 2005)

Series 1 **Accounts**

Physical Description: 3 folders

Box 1, Folder 1

Accounts

Scope and Content Note

Statements, invoices, and brief correspondence regarding accounts for Simha Blas's company Tikhnun ha-mayim le-yisrael ba"m [Israel Water Planning Ltd.]. 1954-1956.

Box 1, Folder 2

Accounts

Scope and Content Note

Statements, invoices, and brief correspondence regarding accounts for Simha Blas's company Tikhnun ha-mayim le-yisrael ba"m [Israel Water Planning Ltd.]. 1954-1956.

Box 1, Folder 3

Accounts

Scope and Content Note

Statements, invoices, and brief correspondence regarding accounts for Simha Blas's company Tikhnun ha-mayim le-yisrael ba"m [Israel Water Planning Ltd.]. 1952-1953.

Series 2 **John Lucian Savage File**

Physical Description: 3 folders

Box 1, Folder 4

J.L. Savage File

Scope and Content Note

Official file folder cover: Medinat yisrael misrade ha-memshalah: Savage. J.L. Savage was an American water engineer and consultant to various hydrological projects in Palestine/Israel.

Box 1, Folder 5

J.L. Savage File

Scope and Content Note

Memo to J.L. Savage from the Water Department with questions concerning 1. All-Palestine Irrigation Scheme; 2. Medium Schemes in North; 3. Medium Schemes in South; 4. Secondary conduits; and 5. Power development. August 18th, 1949.

Box 1, Folder 6

J.L. Savage File

Scope and Content Note

Three sets of handwritten notes regarding visit of American hydrology consultant J.L. Savage to Israel in August, 1949.

Series 3 **Maps**

Physical Description: 3 folders, 1 flat box, 2 map folders

Box 1, Folder 7 **Mapat ha-geshamim/Rainfall map, by Dr. D. Ashbel**

Scope and Content Note

Mapat ha-geshamim/Rainfall map: Palestine, Transjordan, Southern Syria, Southern Lebanon. D. Ashbel. Jerusalem: Hebrew University Press/Jewish Agency for Palestine. Ca. 1938.

Box 1, Folder 8 **Southern Palestine: geological map with explanatory notes.**

Scope and Content Note

Southern Palestine: geological map with explanatory notes. Shaw, S.H. Jerusalem: Government Printer, 1947. 42 p. with folded map.

Box 1, Folder 9 **Nikuz emek hefer: tokhnit atar.**

Scope and Content Note

Emek hefer drainage project: Site plan. Folded map too large for flat storage. Undated, ca. 1950s.

Flat Box 8, Folder 1 **Maps**

Scope and Content Note

Three maps: Admot reshut ha-huleh (lands of the Huleh authority), undated; Emek ha-huleh: baalut ha-karka ba-helek ha-deromi (Huleh Valley: land ownership in the southern region), June 18, 1942; Water research bureau: Eretz Israel catchment areas of individual brooks and wadis, 1936.

Flat Box 8, Folder 2 **Maps**

Scope and Content Note

Two maps: Emek yizrael ha-maaravi: skitsah li-virur haspakat mayim [Western Jezreel Valley; schematic to ascertain water supply]. Nov. 1935; Seker karkaot (ibud ve-hakhsharah) [land survey, Upper Galilee]. Jan. 1950.

Flat Box 8, Folder 3 **Maps**

Scope and Content Note

Two maps: Map of Palestine; Map of Palestine, copy 2. Undated.

Flat Box 8, Folder 4 **Maps**

Scope and Content Note

2 maps: Canal Jordan-Kishon; Canal Jordan-Kishon, copy 2. Undated.

Map Folder 9 **Maps**

Scope and Content Note

Four maps. Cultivable land on the Jordan Valley terrace. Undated; Litani and Upper Jordan rivers rainfall map. Sept. 9, 1943; Sekharim bi-levanon [dams in Lebanon]. Feb. 5, 1942; Untitled [Huleh area]. 1955.

Map Folder 10

Maps

Scope and Content Note

Five maps. Ezor ha-kevul [drainage area, Northern Huleh]. Nov. 20, 1955;Mapat ha-huleh [map of the Huleh area]. Undated.Mean annual rainfall. Undated.Palestine and adjoining territory. Oct. 9, 1943.Tokhnit yibush ve-nikuz shel ha-galil ha-elyon [plan for drainage and drying of the Upper Gallilee]. Undated.

Map Folder 11

Maps

Scope and Content Note

Nine maps. Amendments to the I.P.C. corridors. Jun. 8, 1945.Amendments to the I.P.C. corridors. Jun. 1945.Lake Hula. Jul. 1950.Mapat mahaneh shel mifal yibush ha-huleh [Camp map of the Huleh drainage (drying) project]. Dec. 7, 1955.Palestine administration map. Aug. 1936.Tokhnit emek zevulun/Town planning scheme Emek Zebulun area. Oct. 1936.Tokhnit yibush ha-huleh/ha-yarden ha-deromi, daf 1 [Huleh drainage project/southern Jordan, page 1].Tokhnit yibush ha-huleh/ha-yarden ha-deromi, daf 2 [Huleh drainage project/southern Jordan, page 2].Tokhnit yibush ha-huleh [Huleh drainage project]. All undated, ca. 1950s.Yarmuk diversion canal/Alignment of main canal. Undated.

Box 1, Folder 10

Misrad ha-haklout/moetset ha-mayim

Scope and Content Note

File folder cover: Misrad ha-haklout/moetset ha-mayim: Mar [Mr.] Simha Blas.

Series 4 Meeting Minutes

Physical Description: 11 folders

- Box 1, Folder 11 **Misrad ha-haklout/moetsset ha-mayim**
Scope and Content Note
Minutes and other materials from meetings of the Water Board of the Ministry of Agriculture, Dec. 1960 - Feb. 1963.
- Box 1, Folder 12 **Misrad ha-haklout/moetsset ha-mayim**
Scope and Content Note
Minutes and other materials from meetings of the Water Board of the Ministry of Agriculture, Dec. 1960 - Feb. 1963.
- Box 1, Folder 13 **Misrad ha-haklout/moetsset ha-mayim**
Scope and Content Note
Minutes and other materials from meetings of the Water Board of the Ministry of Agriculture, Dec. 1960 - Feb. 1963.
- Box 1, Folder 14 **Misrad ha-haklout/moetsset ha-mayim**
Scope and Content Note
Minutes and other materials from meetings of the Water Board of the Ministry of Agriculture, Dec. 1960 - Feb. 1963.
- Box 2, Folder 1 **Vaadat ha-shiput**
Scope and Content Note
Folder cover: Medinat yisrael misrade ha-memshalah: Vaadat ha-shiput [jurisdiction committee].
- Box 2, Folder 2 **Vaadat ha-shiput**
Scope and Content Note
Meeting minutes and related materials of the water department's Jurisdiction Committee. 1950-1952.
- Box 2, Folder 4 **ha-Vaad le-tikhnun mifal ha-mayim ha-artsi.**
Scope and Content Note
Meeting minutes and related data for the water department's committee for planning of the national water plant. 1955.
- Box 2, Folder 5 **ha-Vaad le-tikhnun mifal ha-mayim ha-artsi.**
Scope and Content Note
Meeting minutes and related data for the water department's committee for planning of the national water plant. 1952-1954.
- Box 2, Folder 6 **ha-Vaad le-tikhnun mifal ha-mayim ha-artsi.**
Scope and Content Note
Meeting minutes and related data for the water department's committee for planning of the national water plant. 1950.

Series 5 **Memoranda**

Physical Description: 3 folders

Box 2, Folder 7

Memoranda

Scope and Content Note

3 memoranda: From Denver, CO hydrology consultants H.W. Bashore, J.L. Savage, and Abel Wolman to David Ben Gurion regarding the master plan for development of water projects in the State of Israel. 12 p. Dec. 10, 1950; A. Trisht to Meshek Sede Nehemiah regarding their pumping station. Dec. 22, 1953; Y. Trisht regarding digging of a reservoir at Bet Hashita. Dec. 13, 1967.

Series 6 **Project Proposals**

Physical Description: 1 folder

Subseries 6.01 **Agudat ha-mayim ha-shitufit be-emek harod**

Physical Description: 1 folder

Box 4, Folder 10

Nikuz agan ha-kavot nahal haderah

Scope and Content Note

Proposal and maps for collection basin drainage project, Nahal Haderah. 1956.

Subseries 6.02 **Bet Shean**

Physical Description: 4 folders

Box 2, Folder 9

Bet Shean

Scope and Content Note

File folder cover: Medinat yisrael misrade ha-memshalah: Bet Shean.

Box 2, Folder 10

Bet Shean

Scope and Content Note

Written proposals and data for Bet Shean valley water plant. 1950.

Box 2, Folder 11

Blueprints

Scope and Content Note

Blueprints for Bet Shean valley water plant. 1950.

Box 2, Folder 12

Blueprints

Scope and Content Note

Blueprints for Bet Shean valley water plant. 1950.

Subseries 6.03 **Eilat**

Physical Description: 2 folders

Box 3, Folder 1

Folder cover

Scope and Content Note

File folder cover: Medinat yisrael misrade ha-memshalah: Eilat.

Box 3, Folder 2

Project proposal: Eilat

Scope and Content Note

Handwritten notes and data relating to water supply project for Eilat. 1951.

Subseries 6.04 **Emek ha-Yarden**

Physical Description: 10 folders

Box 3, Folder 3

Project proposals: Emek ha-Yarden

Scope and Content Note

Notes and data relating to irrigation projects for the Jordan Valley. 1952.

Box 3, Folder 4

Project proposals: Emek ha-Yarden

Scope and Content Note

Project proposal summary and blueprints for Masadah-Shaar ha-Golan and Helkat Tel Katsir water supply project: Connection to the Bet Zera reservoir. 1960.

Box 3, Folder 5

Project proposals: Emek ha-Yarden

Scope and Content Note

Project proposal and blueprints for Masadah-Shaar ha-Golan and Helkat Tel Katsir water supply project: Connection to the Bet Zera reservoir. 1960.

Box 3, Folder 6

Emek ha-Yarden: Kevutsat Mesadah

Scope and Content Note

Blueprints and written proposals relating to three Kevutsat Mesadah water projects. 1955-1956.

Box 3, Folder 7

Emek ha-Yarden: Meshek Ein Gev

Scope and Content Note

Blueprints and written proposals relating to four Meshek Ein Gev water projects. 1955, 1958, 1959, 1962.

Box 3, Folder 8

Emek ha-Yarden: Kevutsat Alumot

Scope and Content Note

Blueprint relating to Kevutsat Alumot pump installation project. 1955.

Box 3, Folder 9

Emek ha-Yarden: Kevutsat Kineret

Scope and Content Note

Blueprints, notes, and proposal relating to Kevutsat Kineret water projects. 1956, 1962.

Box 3, Folder 10

Emek ha-Yarden: Bet Gordon

Scope and Content Note

Blueprint for Bet Gordon water supply project. 1955.

Series 6 **Project Proposals**

Subseries 6.04 **Emek ha-Yarden**

Box 3, Folder 11 **Emek ha-Yarden: Kevutsat Afikim 1957**
Scope and Content Note
Blueprint for Kevutsat Afikim pump housing project.

Box 3, Folder 12 **Emek ha-Yarden: Tel Katsir 1955**
Scope and Content Note
Blueprint for Tel Katsir irrigation canal.

Subseries 6.05 **Emek Hefer**

Physical Description: 5 folders

Box 3, Folder 13 **Emek Hefer: Ein Hahoresht 1959**
Scope and Content Note
Blueprint and proposal for Ein Hahoresht water project.

Box 3, Folder 14 **Emek Hefer: Bet Herut 1958**
Scope and Content Note
Blueprints and proposals for two Bet Herut water projects.

Box 3, Folder 15 **Emek Hefer: Kefar Vitkin 1958 1962**
Scope and Content Note
Blueprints and proposals for four Kefar Vitkin water projects.

Box 3, Folder 16 **Emek Hefer: ha-Moetsah ha-ezorit 1958**
Scope and Content Note
Blueprint and project cost summary for Emek Hefer Area Council water project.

Box 3, Folder 17 **Emek Hefer: Kefar Hayim 1956**
Scope and Content Note
Blueprint and memo regarding Kefar Hayim water project.

Subseries 6.06 **Ein Harod**

Physical Description: 2 folders

Box 3, Folder 18 **Ein Harod: Berekhat adamah July, 1937**
Scope and Content Note
File folder cover for Ein Harod earth pool project proposal. Misrad le-handasah hidraulit: S. Blas.

Box 3, Folder 19

Ein Harod: Berekhat adamah July, 1937

Scope and Content Note

Project proposal and blueprints for Ein Harod earth pool [reservoir] project.

Subseries 6.07 **Maayan Barukh tokhnit hashkaah**

Physical Description: 5 folders

Box 4, Folder 1

Maayan Barukh tokhnit hashkaah May, 1953

Scope and Content Note

File folder cover for Maayan Barukh irrigation project proposal.

Box 4, Folder 2

Maayan Barukh tokhnit hashkaah May, 1953

Scope and Content Note

Maayan Barukh irrigation project proposal and blueprint.

Box 4, Folder 3

Maayan Barukh tokhnit hashkaah 1953

Scope and Content Note

Two brown envelopes for Maayan Barukh irrigation project proposal; one has pencil schematic on back.

Box 4, Folder 4

Maayan Barukh tokhnit hashkaah 1955

Scope and Content Note

Notes, memos, and blueprints relating to Maayan Barukh irrigation project proposal.

Box 4, Folder 5

Maayan Barukh tokhnit hashkaah 1955

Scope and Content Note

Notes, memos, and blueprints relating to Maayan Barukh irrigation project proposal.

Subseries 6.08 **Mifal ha-galil ha-elyon**

Physical Description: 2 folders

Box 4, Folder 6

Mifal ha-galil ha-elyon

Scope and Content Note

File folder cover: Mekorot: hevrat mayim ba"m: Mifal ha-galil ha-elyon. Upper Gallilee plant.

Box 4, Folder 7

Mifal ha-galil ha-elyon 1950

Scope and Content Note

Project proposal and blueprint for Upper Gallilee water plant project.

Series 6 **Project Proposals**

Subseries 6.09 **Mifal ha-galil ha-merkazi**

Subseries 6.09 **Mifal ha-galil ha-merkazi**

Physical Description: 2 folders

Box 4, Folder 8

Mifal ha-gevul ha-tsefoni

Scope and Content Note

File folder cover. Mekorot: hevrat mayim ba"m. Northern border water plant.

Box 4, Folder 9

Mifal ha-galil ha-merkazi 1950

Scope and Content Note

Water supply project proposal for settlements on the Lebanon border.

Subseries 6.10 **Nikuz agan ha-kavot nahal haderah**

Physical Description: 2 folders

Box 2, Folder 8

Agudat ha-mayim ha-shitufit be-emek harod

Scope and Content Note

Agudat ha-mayim ha-shitufit be-emek harod: aspatat mayim la-tsafon: tokhnit kelalit. Documents pertaining to the cooperative water union of Emek Harod: general plan for water supply to the Northern region. 1967.

Subseries 6.11 **Ramat ha-galil ha-tahton haspakat ha-mayim**

Physical Description: 2 folders

Box 4, Folder 11

Ramat ha-galil ha-tahton haspakat ha-mayim

Scope and Content Note

File folder cover. Ramat ha-galil ha-tahton haspakat ha-mayim. Lower Gallilee water supply project.

Box 4, Folder 12

Ramat ha-galil ha-tahton haspakat ha-mayim

Scope and Content Note

Lower Gallilee water supply project proposal and blueprint. Undated.

Subseries 6.12 **Tel Yosef berekhat adamah**

Physical Description: 2 folders

Box 4, Folder 13

Tel Yosef berekhat adamah

Scope and Content Note

File folder cover. Tel Yosef berekhat adamah (Tel Yosef earth pool). 1935.

Series 6 **Project Proposals**

Subseries 6.12 **Tel Yosef berekhat adamah**

Box 4, Folder 14

Tel Yosef berekhat adamah

Scope and Content Note

Proposal and blueprints for Tel Yosef earth pool construction. 1935.

Subseries 6.13 **Yarkon-Faluja conduit**

Physical Description: 2 folders

Box 4, Folder 15

Yarkon-Faluja conduit

Scope and Content Note

File folder cover. Yarkon Faluja Conduit: Program of Development: Economic Analysis. File contents: project proposal, report, and blueprints. 1952.

Box 4, Folder 16

Yarkon-Faluja conduit

Scope and Content Note

Blueprints relating to Yarkon-Faluja conduit project. 1953.

Box 4, Folder 17

Yarkon-Faluja conduit

Scope and Content Note

Blueprints relating to Yarkon-Faluja conduit project. 1953.

Series 7 Technical Reports

Physical Description: .75 linear ft.

Box 4, Folder 18 **Closed conduits in reinforced concrete**

Scope and Content Note

File folder cover. Closed conduits in reinforced concrete, I. Olexinzer.

Box 4, Folder 19 **Closed conduits in reinforced concrete 1951**

Physical Description: 52 p., 26 plates

Scope and Content Note

Closed conduits in reinforced concrete, part 1. I. Olexinzer. Jerusalem: Ministry of Agriculture, Water Department, Division of National Planning. .

Box 4, Folder 20 **Eng[ineer] Fuks file 1948-1949**

Scope and Content Note

Eng[ineer] Fuks file. Notes, data, and report on problems of development of water [resources] in Israel.

Box 5, Volume 1 **John S. Cotton report 1950**

Physical Description: 224 p.

Scope and Content Note

Bound typewritten volume. John S. Cotton, Interim report on master plan for development of irrigation and hydroelectric power in State of Israel, Vol. I.

Box 5, Volume 2 **John S. Cotton report 1951**

Physical Description: 184 p.

Scope and Content Note

Bound typewritten volume. John S. Cotton and James B. Hayes, Third interim report on master plan for development of irrigation and hydroelectric power in State of Israel, Vol. 1.

Box 5, Volume 3 **John S. Cotton report 1951**

Physical Description: 40 plates

Scope and Content Note

Bound typewritten volume. John S. Cotton and James B. Hayes, Third interim report on master plan for development of irrigation and hydroelectric power in State of Israel, Vol. 2.

Box 6, Folder 1 **Israel and its water resources August 1956**

Physical Description: 26 p.

Scope and Content Note

Israel and its water resources: Facts and figures. Water Planning for Israel, Ltd.,

- Box 6, Folder 2 **Mehir ha-mayim la-haklaut April 1954**
Physical Description: 30 p.
Scope and Content Note
Mehir ha-mayim la-haklaut, me-et S. Blas. (The price of water for agriculture, by S[imha] Blas.).
- Box 6, Folder 3 **ha-Yarkon**
Scope and Content Note
File folder cover. Medinat yisrael: misrade ha-memshalah. ha-Yarkon.
- Box 6, Folder 4 **Mifal ha-Yarkon**
Scope and Content Note
Handwritten notes and data on the Yarkon [river] water plant project. Undated.
- Box 6, Folder 5 **Jordan and Litani river basins Feb. 1954**
Scope and Content Note
Plan for the development and utilization of the water resources of the Jordan and Litani river basins, vol. 2, by John S. Cotton, consulting engineer. Bound maps and blueprints.
- Box 6, Folder 6 **Litani river project: Qaraoun reservoir Aug. 1943.**
Scope and Content Note
Litani river project: Qaraoun reservoir: Mass curves. Graph. Palestine Water Co. Ltd.,
- Box 6, Folder 7 **Some Information on Lake Tiberias**
Scope and Content Note
File folder cover. Some Information on Lake Tiberias, report no. 2, by A. De Leeuw and M. Auerbach.
- Box 6, Folder 8 **Some Information on Lake Tiberias 1951**
Scope and Content Note
Some Information on Lake Tiberias, report no. 2, by A. De Leeuw and M. Auerbach. 58 p. and appendices.
- Box 6, Folder 9 **Some Information on Lake Tiberias**
Scope and Content Note
File folder cover. Some Information on Lake Tiberias, report no. 2, by A. De Leeuw and M. Auerbach.
- Box 6, Folder 10 **Some Information on Lake Tiberias**
Physical Description: [Incomplete copy; p. 38-59 plus appendices.]
Scope and Content Note
Some Information on Lake Tiberias, report no. 2, by A. De Leeuw and M. Auerbach.
- Box 6, Folder 11 **The water resources of Israel June 1952**
Physical Description: 50 p.
Scope and Content Note
The Water resources of Israel. A survey by S. Blass, director, Water Department.
-

Box 6, Folder 12 **The water resources of Israel June 1952**

Physical Description: 50 p.

Scope and Content Note

The Water resources of Israel. A survey by S. Blass, director, Water Department. [This copy has typeset cover.]

Series 8 **Photographs**

Physical Description: .25 linear ft.

Half Box 7, Folder 1 **Photographs: California**

Scope and Content Note

Ten 3.5" x 4.5" black and white photographs taken in California, labeled Cucamonga [3]; Cucamonga spreading grounds; Sausage Dam Cucamonga spreading ground; San Gabriel [3]; Sierra Madre City of " "; Eaton Wash spreading grounds L.A.C.F.C.D. Undated.

Box 7, Folder 2 **Photographs**

Scope and Content Note

Five 5" x 7" black and white photographs. One labeled Caesarea - Finished pumping installations, Sept. 1963. Four unidentified, undated.

Box 7, Folder 3 **Photographs**

Physical Description: One 3" x 4" black and white photograph, unidentified, undated.

Scope and Content Note

Three 2.5" x 3.5" black and white photographs. Labeled Nahal Iron shitafon, sof november 1964, hutsfu: ha-sadot, kevishim u-gesharim. [Iron river flooding end of November 1964, flooded: fields, roads and bridges]

Box 7, Folder 4 **Photographs: Huleh**

Scope and Content Note

Four 3.5" x 5.5" black and white photographs. Labeled Huleh: karkaot ha-agam [Huleh lakebed]. Undated.

Box 7, Folder 5 **Photographs: Hulot Yavneh Mar. 1964**

Scope and Content Note

Six 3.5" x 5" black and white photographs. Five labeled Hulot Yavneh [Yavneh dunes], Feb. 1965. One labeled Nahal Adah - kevish Pardes Hanah Binyaminah shitfonot 1964/02 [Adah river Pardes Hanah-Binyaminah road flooded 1964/02.

Box 7, Folder 6 **Photographs: Europe**

Scope and Content Note

Four black and white photographs (5 x 5", 3 x 3", 4 x 2", 3 x 2") of unidentified round six-story brick building (with Israeli flag flying on top) near railroad tracks. Stamp on back reads "de Graaf C572 Leiden." Undated. One 3.5 x 2.5" black and white photograph of girl posing on ice. Undated.

Box 7, Folder 7 **Photographs**

Scope and Content Note

Five black and white photographs, 3.5 x 2.5", unidentified, showing concrete conduit construction. Two black and white photographs, 3.5 x 2.5", unidentified, showing retaining wall construction. All undated.

Box 7, Folder 8 **Photographs**

Scope and Content Note

One black and white photograph, 7 x 9.5", showing lab technician conducting experiment. Sign on machine reads: Nekez hupi: nisui ms. 15 [Shore drainage, experiment no. 15].

Box 7, Folder 9

Photographs

Scope and Content Note

Two black and white photographs. 8 x 6" shows worker standing on large drilling rig, undated. 5 x 5" shows wetland, undated.

Box 7, Folder 10

Photographs

Scope and Content Note

Six black and white photographs, 3.5 x 4.5" show a field being tilled. Undated.

Box 7, Folder 11

Photographs

Scope and Content Note

Five black and white photographs, 3.5 x 2.5". Three show an unidentified body of water. Two show close and far view of the opening of a water conduit. Undated.

Box 7, Folder 12

Photographs

Scope and Content Note

Six black and white photographs, 2.5 x 4", showing placement of concrete rings in ground using a crane. Photos numbered on back 6-11. Undated.

Box 7, Folder 13

Photographs

Scope and Content Note

Fourteen black and white photographs, 2.5 x 4", showing unidentified area, poss. Caesarea. All marked "3" in pencil on back. Undated.