
Inventory of the Hugo B. Fischer Papers, 1974-1983

Collection number: FISCHER

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Descriptive Summary

Title: Hugo B. Fischer Papers,

Date (inclusive): 1974-1983

Collection number: FISCHER

Creator: Fischer, Hugo B., 1937-1983

Extent: ca. 1 linear ft. (2 boxes)

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Language: English

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[Identification of item], Hugo B. Fischer Papers, FISCHER, The Water Resources Center Archives, University of California, Berkeley.

Access Points

Saltwater encroachment --Models
Water --Pollution --Models
Diffusion in hydrology --Models
Tidal currents --California --San Francisco Bay
Hydraulic models
Saltwater barriers --Models
Saltwater encroachment --California --Delta Region
University of California, Berkeley. Division of Hydraulic and Sanitary Study

Biographical Information

Hugo B. Fischer was born in Lakehurst, N.J. in 1937. He earned his Bachelor of Science in 1958, his M.S. in 1963, and his Ph.D. in 1966, all from the California Institute of Technology. He was a professor of civil engineering at the University of California, Berkeley from 1966 until 1983. Fischer was a recognized authority in salt-water intrusion, water pollution, heat dispersion in waterways, and the mixing of rivers and oceans. He died in a glider accident in May 1983.

Scope and Content

Reports pertaining to the study of saltwater intrusion into estuaries and heat dispersion in waterways, and water pollution.

- Box 1, item 1 **Fischer, Hugo B.**
 DELFL0 and DELSAL flow and transport models for the Sacramento-San Joaquin Delta, description and steady-state verification. Berkeley, Hugo B. Fischer, Inc, 1982.

 Physical Description: 74 p.
- item 2 **Fischer, Hugo B.**
 Verification of DELSAL : a Lagrangian model for salinity in the Sacramento-San Joaquin Delta. Berkeley : Hugo B. Fisher, Inc., 1982.

 Physical Description: 59 p.
- item 3 **Fischer, Hugo B., and William B. Kirkland, Jr.**
 Flushing of south San Francisco Bay : results of dye concentration measurements in the Bay-Delta physical model. Berkeley : Hugo B. Fisher, Inc., 1978.

 Physical Description: 34 p.
- item 4 **Fischer, Hugo B.**
 The effect of barriers on salinity intrusion into the Sacramento-San Joaquin Delta during the 1977 drought. Berkeley : Hugo B. Fisher, Inc., 1983.

 Physical Description: 38 p.
- item 5 **Fischer, Hugo B.**
 Numerical modelling of dispersion in estuaries. 1975.

 Physical Description: 10 p.

- item 6 **Fischer, Hugo B., and Gregory A. Lawrence**
Currents in South San Francisco Bay. Berkeley, Calif. : Hydraulic Engineering Laboratory, Dept. of Civil Engineering, University of California, [1983].
- Additional Note**
- Series title: Publication (California. State Water Resources Control Board) ; no. 83-2SP.
Series title: Report (University of California, Berkeley. Hydraulic Engineering Laboratory) ; no. UCB/HEL-83/01.
- item 7 **A numerical model of material transport in salt-wedge estuaries : prepared in cooperation with the municipality of metropolitan Seattle. Tacoma, Wash. : U.S. Geological Survey, 1974.**
- Additional Note**
- Series title: Open-file report.
- item 8 **Fischer, Hugo B.**
Comparison of physical and numerical model studies of the impact of a San Joaquin Valley drain on salinities in the Western Delta. Berkeley, Calif. : Hugo B. Fischer Inc., 1979.
- Additional Note**
- Series title: Report ; HBF-79/01.
- item 9 **Fischer, Hugo B.**
Physical model studies of pre-project vs without project salinities in San Francisco Bay and the Sacramento-San Joaquin Delta. Berkeley, Calif. : Hugo B. Fischer, Inc., 1981.
- Additional Note**
- Series title: Report ; HBF-81/01.
- Box 2, item 10 **Kirkland, William B., and Hugo B. Fischer**
Hydraulic model studies, San Francisco Bay-Delta model, U.S. Army Corps of Engineers. Alameda, Calif. : Waterfront Design Associates, 1976.
- item 11 **Kirkland, William B., and Hugo B. Fischer**
Dilution and dispersion study : Point Tiburon sewage outfall, Marin County, California, San Francisco Bay-Delta Model. 1980.
- item 12 **Fischer, Hugo B., and David H. Dykstra**
Suisun Marsh salinity model user's model. Berkeley, Calif. : Hugo B. Fischer, Inc., 1977.
- Additional Note**
- Series title: Report ; HBF-77/01.
- item 13 **Fischer, Hugo B.**
Evaluation of Cottonwood Creek Reservoir model studies. Berkeley, Calif. : Hugo B. Fischer, Inc., 1980.
- Additional Note**
- Series title: Report ; HBF-80/01.

item 14

California. Dept. of Water Resources

Historic surface zone salinities for the Suisun Bay and Marsh vicinity from 1920-75.

Physical Description: ca. 1200 leaves