

Dam: Takisato

Country Japan

River Sorachi

43°26'37.51"N 142°17'19.83"E

43.443752 142.288849

Owner/Client Hokkaido Development Bureau

Designer/Engineer Ministry of Construction

Contractor Aoki Construction Co Ltd, Iwata Construction Co Ltd and Nakayama-gumi Co LtdJ.V.

Purpose (code) F H I W

Site start 31.10.1990

RCC start 01.01.1993

RCC completion 31.07.1997

Site completion 30.06.2000

Height (m) 50

Length (m) 445

Volume of RCC ( $m^3 \times 10^3$ ) 327

Total volume ( $m^3 \times 10^3$ ) 455

Reservoir capacity ( $m^3 \times 10^6$ ) 108

Upstream slope 0.06

Forming of upstream face (code) (1)

Downstream slope 0.80

Forming of downstream face (code) (1)

Spillway slope 0.80

Forming of spillway face (code) (1)

Depth of layers (mm) 250

Depth of lifts (mm) 750

Cement content ( $kg/m^3$ ) 84

Pozzolan content ( $kg/m^3$ ) 36

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0184

## Completed Dam



RCCDAM0184CD

## Google Earth



RCCDAM0184GE

# Guide to Abbreviations

## Purpose

- E Environmental
- F Flood control
- G Groundwater recharge
- H Flood control
- I Irrigation
- N Navigation
- P Pollution control
- R Recreation
- W Water supply

## Facing method

- (1) Traditional concrete against formwork
- (2) Traditional concrete against formwork with external geomembrane
- (3) RCC against formwork
- (4) RCC against formwork with external geomembrane
- (5) Traditional concrete against precast concrete panels
- (6) Traditional concrete against precast concrete panels with geomembrane
- (7) RCC against precast concrete panels
- (8) RCC against precast concrete panels with geomembrane
- (9) RCC against precast concrete panels with hot poured membrane
- (10) RCC against precast concrete blocks
- (11) Reinforced conventional concrete cast before RCC placement
- (12) Reinforced conventional concrete cast after RCC placement
- (13) Reinforced concrete cast against precast units or slip-formed facing elements
- (14) Slip-formed/extruded facing elements
- (15) RCC supported by fill shoulders
- (16) Mechanically compacted unformed face of RCC
- (17) Unformed face of RCC
  - ' GEVR/GE-RCC
  - \* Stepped face

## Pozzolans

- (-) No Pozzolan Used
- (C) High-lime flyash (ASTM Class C)
- (F) Low-lime flyash (ASTM Class F)
- (M) Milled sand
- (N) Natural pozzolan (ASTM Class N)
- (R) ROLAC (mixture of flyash and slag with or without limestone fines)
- (S) Ground-granulated blast-furnace slag
- (L) Mixture of GGBFS and limestone fines