

AFSC/ABL: Little Port Walter Climatology 1950-2008

Theme keywords: 004, Climatology, Daily records of air temperature, Precipitation, snowfall, surface salinity, water color, water transparency

Abstract: Data set includes available climatological and related physical environmental records for Little Port Walter taken at the Auke Bay Laboratories field station beginning in 1950. Daily high and low air temperatures, precipitation, snow fall, snow on the ground, cloud cover, sea surface temperature, surface salinity, Secchi disc depth and water color are reported.

FGDC, ESRI, and Biological Profile Metadata:

- [Identification Information](#)
- [Data Quality Information](#)
- [Entity and Attribute Information](#)
- [Distribution Information](#)
- [Metadata Reference Information](#)

Metadata elements shown with **blue** text are defined in the Federal Geographic Data Committee's (FGDC) [Content Standard for Digital Geospatial Metadata \(CSDGM\)](#). Elements shown with **green** text are defined in the [ESRI Profile of the CSDGM](#). Elements shown with **brown** text are defined in the [NBII Biological Profile of the CSDGM](#). Elements shown with a green asterisk (*) will be automatically updated by ArcCatalog. ArcCatalog adds hints indicating which FGDC elements are mandatory; these are shown with gray text.

Identification Information:

Citation:

Citation information:

Originators: Brad Weinlaeder, Bill Heard, AFSC

Title:

AFSC/ABL: Little Port Walter Climatology 1950-2008

Publication date: Unknown

Geospatial data presentation form: database

Larger work citation:

Citation information:**Originators:** National Weather Service**Title:**

National Weather Service Cooperative Observer Program

Publication date: Unknown**Geospatial data presentation form:** database**Description:****Abstract:**

Data set includes available climatological and related physical environmental records for Little Port Walter taken at the Auke Bay Laboratories field station beginning in 1950. Daily high and low air temperatures, precipitation, snow fall, snow on the ground, cloud cover, sea surface temperature, surface salinity, Secchi disc depth and water color are reported.

Purpose:

The physical characteristics of the environment strongly influence the biological productivity of the terrestrial, freshwater and marine ecosystems. The knowledge of the physical characteristics and their variation over time are critical to understanding and prediction of the natural variation in ecosystem productivity. The parameters included in this data set are basic parameters that are easily monitored and have broad application to many research studies.

Time period of content:**Time period information:****Range of dates/times:****Beginning date:** 1950**Ending date:** 2008**Currentness reference:**

observed

Status:**Progress:** In work**Maintenance and update frequency:** Daily**Spatial domain:****Description of geographic extent:**

Little Port Walter, Alaska

Bounding coordinates:**West bounding coordinate:** -134.6433

East bounding coordinate: -134.6433
North bounding coordinate: 56.3841667
South bounding coordinate: 56.3841667

Keywords:

Theme:

Theme keywords: 004, Climatology
Theme keyword thesaurus: ISO 19115 Topic Categories

Theme:

Theme keywords: Daily records of air temperature, Precipitation, snowfall, surface salinity, water color, water transparency
Theme keyword thesaurus: None

Place:

Place keywords: Little Port Walter, Alaska
Place keyword thesaurus: Geographic Names Information System

Place:

Place keywords: AK
Place keyword thesaurus: None

Stratum:

Stratum keywords: surface
Stratum keyword thesaurus: None

Access constraints: There are no legal restrictions on access to the data. They reside in public domain and can be freely distributed.

Use constraints:

User must read and fully comprehend the metadata prior to use. Data should not be used beyond the limits of the source scale. Acknowledgement of NOAA, as the source from which these data were obtained, in any publications and/or other representations of these data is suggested.

Point of contact:

Contact information:

Contact person primary:

Contact person: Bill Heard
Contact organization: National Oceanic and Atmospheric Administration (NOAA) Alaska Fisheries Science Center (AFSC) Auke Bay Laboratories (ABL)

Contact address:

Address type: mailing and physical

Address:

17109 Point Lena Loop Road

City: Juneau

State or province: AK

Postal code: 99801

Country: USA

Contact voice telephone: 907-789-6000

Contact facsimile telephone: 907-789-6094

Contact electronic mail address: bill.heard@noaa.gov

Contact instructions:

The e-mail address directs you to the person most knowledgeable about this data. If an alternative contact person becomes necessary, use the voice phone number for referral.

Native data set environment:

Windows Microsoft Excel spreadsheets

[Back to Top](#)

Data Quality Information:

Logical consistency report:

Not applicable

Completeness report:

Users should be aware the subsets in the data base have different time series depending on the interests of the originating investigators. Gaps in the data are the result of changing budgets and priorities of the supporting programs. Local microclimatic effects and diel effects may restrict the validity of some parameters for specific studies.

Lineage:

Process step:

Process description:

Does not apply.

Process date: Unknown

[Back to Top](#)

Entity and Attribute Information:

Detailed description:

Entity type:

Entity type label: Daily"year"

Entity type definition:

Excel spreadsheet

Entity type definition source:

Microsoft

Attribute:

Attribute label: Date

Attribute definition:

Date measurement was taken.

Attribute definition source:

Originator

Attribute domain values:

Unrepresentable domain:

Date of observation.

Attribute:

Attribute label: HighTemp

Attribute definition:

Highest air temperature in the last 24 hours in degrees F

Attribute definition source:

Originator

Attribute domain values:

Unrepresentable domain:

temperature in degrees F

Attribute:

Attribute label: LowTemp

Attribute definition:

Lowest air temperature in the last 24 hours in degrees F.

Attribute definition source:

Originator

Attribute domain values:**Unrepresentable domain:**

temperature in degrees F

Attribute:**Attribute label:** TempObs**Attribute definition:**

Air temperature at the time of observation in degrees F.

Attribute definition source:

Originator

Attribute domain values:**Unrepresentable domain:**

temperature in degrees F

Attribute:**Attribute label:** Mid R Temp**Attribute definition:**

calculation of average between high and low in degrees F.

Attribute definition source:

Originator

Attribute domain values:**Unrepresentable domain:**

temperature in degrees F

Attribute:**Attribute label:** Snow**Attribute definition:**

Amount of snow fall in the last 24 hours measured in inches.

Attribute definition source:

Originator

Attribute domain values:**Unrepresentable domain:**

Inches

Attribute:**Attribute label:** Sno on grnd**Attribute definition:**

Amount of snow on ground measured in inches.

Attribute definition source:

Originator

Attribute domain values:

Unrepresentable domain:

Inches

Attribute:

Attribute label: SST

Attribute definition:

Sea surfact temperature measured in degrees C.

Attribute definition source:

Originator

Attribute domain values:

Unrepresentable domain:

Degree C

Attribute:

Attribute label: Secchi D

Attribute definition:

Depth at which secchi disc is no longer visible, measured in meters.

Attribute definition source:

Originator

Attribute domain values:

Unrepresentable domain:

meters

Attribute:

Attribute label: Salinity

Attribute definition:

Salinity of surface water taken at Auke Bay dock measured in PSU.

Attribute definition source:

Originator

Attribute domain values:

Unrepresentable domain:

PSU (practical salinity units)

Attribute:**Attribute label:** Auke Lake**Attribute definition:**

Condition of water (frozen/slush) on Lake.

Attribute definition source:

Originator

Attribute domain values:**Unrepresentable domain:**

discretion of observer

Attribute:**Attribute label:** F/U**Attribute definition:**

Color scale of water.

Attribute definition source:

Originator

Attribute domain values:**Unrepresentable domain:**

F or U color

Attribute:**Attribute label:** Precip**Attribute definition:**

Amount of precipitation in 24 hours measured in inches.

Attribute definition source:

Originator

Attribute domain values:**Unrepresentable domain:**

Inches

Attribute:**Attribute label:** Color**Attribute definition:**

Color of water at time of temperature measurement.

Attribute definition source:

Originator

Attribute domain values:

Range domain:
Range domain minimum: 1
Range domain maximum: 11

[Back to Top](#)

Distribution Information:

Distributor:

Contact information:

Contact person primary:

Contact person: Bill Heard

Contact organization: National Oceanic and Atmospheric Administration (NOAA) Alaska Fisheries Science Center (AFSC) Auke Bay Laboratories (ABL)

Contact address:

Address type: mailing and physical

Address:

17109 Point Lena Loop Road

City: Juneau

State or province: AK

Postal code: 99801

Country: USA

Contact voice telephone: 907-789-6000

Contact facsimile telephone: 907-789-6094

Contact electronic mail address: bill.heard@noaa.gov

Contact instructions:

The e-mail address directs you to the person most knowledgeable about this data. If an alternative contact person becomes necessary, use the voice phone number for referral.

Distribution liability:

The user is responsible for the results of any application of this data for other than its intended purpose.

[Back to Top](#)

Metadata Reference Information:

Metadata date: 20080910

Metadata review date: 20100201

Metadata contact:

Contact information:

Contact person primary:

Contact person: Emily Fergusson

Contact organization: National Oceanic and Atmospheric Administration (NOAA) Alaska Fisheries Science Center (AFSC) Auke Bay Laboratories (ABL)

Contact position: Metadata coordinator

Contact address:

Address type: mailing and physical

Address:

17109 Point Lena Loop Road

City: Juneau

State or province: AK

Postal code: 99801

Country: USA

Contact voice telephone: Use e-mail to contact the metadata coordinator.

Contact facsimile telephone: 907-789-6094

Contact electronic mail address: AFSC.metadata@noaa.gov

Metadata standard name: FGDC Biological Data Profile of the Content Standard for Digital Geospatial Metadata

Metadata standard version: FGDC-STD-001.1-1999

[Back to Top](#)