INARCH Basin/Site Information Form

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| --- | --- |
| Basin/Site Name |  |

|  |  |
| --- | --- |
| Country; Province/State |  |

|  |  |
| --- | --- |
| Website (If Available) |  |

|  |  |
| --- | --- |
| Operational Management |  |

Basin/Site Location (Centroid Coordinates)

|  |  |  |
| --- | --- | --- |
| Coordinate Format | Latitude | Longitude |
| Decimal Degrees |  |  |

Oversight/Contacts

|  |  |  |
| --- | --- | --- |
| Name | Role | Contact Information |
|  |  |  |
|  |  |  |
|  |  |  |

Purpose/Scientific Focus

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Basin/Site Characteristics

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| --- | --- |
| Location (Physiographic Region) |  |
| Area (km2) |  |
| Elevation (m; Mean, Maximum, Minimum) |  |
| Description (Physical–Ecological–Climatic Characteristics) |  |
| Drainage/River System |  |
| Site History or Historical Context  |  |
| Years of Data |  |

Other Info

|  |  |
| --- | --- |
| Glacierized Area (% and year(s) measured) |  |
| Main Land Cover(s) |  |
| Lithology/Soils |  |
| Mean Monthly and Annual Temperature (°C) |  |
| Mean Total Monthly and Annual Precipitation (mm) |  |
| Snow Characteristics |  |
| Additional Noteworthy Characteristics of Basin/Site |  |

Data and Observations

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| --- | --- |
| **Available Geospatial Data** | **Notes (e.g., Source, Resolution, Error/Uncertainty, Date, etc.)** |
| Elevation |  |
| Landcover and Soils |  |
| Stream/River Network |  |
| Basin Delineation/Shapefile |  |
| *Other Geospatial Data (add rows as necessary)*  |  |

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| --- |
| **Observation Stations (Specific Instrument/Sensor Details to be Filled Below)** |
| **Type** | **Station Name**  | **Latitude** | **Longitude** | **Elevation** | **Notes/Details** |
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|  |  |  |  |  |  |
| *Other Stations (add rows as necessary)*  |  |  |  |  |  |

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| --- |
| **Data Availability and Access (Please provide links/DOIs to published or available data and descriptions; Add rows as necessary)** |
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| **Meteorological Variables and Sensor Details** |
| **Variable** | **Station** | **Sensor(s)** | **Height/ Depth (m)** | **Record Period and Frequency** | **Notes/Details** |
| Air temperature and Relative Humidity |  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Solar Radiation |  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Longwave Radiation |  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Net Radiation |  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Wind Speed/Direction |  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Precipitation |  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Atmospheric Pressure |  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Ground Heat Flux  |  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| *Other Variables (add rows as necessary)*  |  |  |  |  |  |
| **Additional Notes and Details on Meteorological Observations** |
|  |

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| --- |
| **Hydrological Variables and Sensor Details** |
| **Variable** | **Station** | **Sensor(s)** | **Height/ Depth (m)** | **Record Period and Frequency** | **Notes/Details** |
| Evaporation |  |  |  |  |  |
| Snow Water Equivalent |  |  |  |  |  |
| Snow Depth |  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Soil Moisture |  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Soil Temperature |  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Stream Level/Discharge |  |  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| Groundwater Level |  |  |  |  |  |
| *Other Variables (add rows as necessary)*  |  |  |  |  |  |
| **Water Quality Variables** |
| Water Temperature |  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Isotope Types (18O, D, T) |  |  |  |  |  |
| Water Conductivity |  |  |  |  |  |
| Turbidity |  |  |  |  |  |
| Sediment Load (Gravels) |  |  |  |  |  |
| Water Sampling Hydro-geochemistry (Elements) |  |  |  |  |  |
| *Other Variables (add rows as necessary)*  |  |  |  |  |  |
| **Additional Notes and Details on Hydrological Observations** |
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| **Other Hydrological and Cryospheric Measurements and Observations** |
| **Measurement** | **Instrumentation Description** | **Spatial/Temporal Resolution and Coverage** | **Notes/Details** |
| Terrestrial Laser Scanner |  |  |  |
| UAV Sensors |  |  |  |
| Time-lapse Photographs |  |  |  |
| Snow Pits/Snow Surveys |  |  |  |
| Glacier Surface Elevation |  |  |  |
| Debris Covered Ice Elevation |  |  |  |
| Glacier Mass Balance |  |  |  |
| Glacier Ice Thickness |  |  |  |
| *Other Measurements (add rows as necessary)*  |  |  |  |
| **Additional Notes and Details on Other Hydrological and Cryospheric Measurements** |
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Relevant Modelling Activity (Model Applications, Purpose, Advancements, etc.)

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Additional Information (Key Papers, Articles/Media, Photographs, etc.)

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