



Base from U.S. Geological Survey, Kenai C-3, C-4, D-3, D-4, 1:63,360 (1951)

LOCATION OF DATA STATIONS.

EXPLANATION

	Observation well; larger number is station number; one digit number includes number of wells represented by symbol.
	Peak-flow measurement station
	Discontinued gaging station
	Observation well equipped with a recorder
	Discontinued observation well
	Lake stage-measurement site without gage
	Streamflow measurement site without gage
	Non-recording precipitation and air temperature measurement site
	Stream chemical-measurement site
	Basin boundary (surface water)
	Basin boundary (estimated in low-relief wetlands and on ground-water divides)

CONVERSION TABLE

Convert	by	to obtain
inch (in.)	25.40	millimeter (mm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
acre	0.4047	hectare

For additional information write to:
District Chief
U.S. Geological Survey
Water Resources Division
1515 E. 13th Avenue
Anchorage, Alaska 99501

Note: National Geodetic Vertical Datum of 1929 (NGVD of 1929), the reference surface to which related features and altitude data are related, and formerly called mean sea level, is herein called sea level.

0 1 2 3 4 5 MILES
0 1 2 3 4 5 KILOMETERS

STREAMFLOW				
Station no.	Station name	Location	Period of record	Remarks
15-2665	Beaver Creek near Kenai	Lat 60°33'30", long 151°07'03". In SE 1/4 sec. 36, T.6 N., R.11 W., on right bank 21 ft upstream from culvert on Kenai-Soledad Road, and 4.5 mi east of Kenai at mile 6.1.	Peak-flow measurement station 1880 to present; continuous record October 1967 to September 1976; three discharge measurements 1951-1952.	Water-quality information available.
15-2668	Salamatof Creek near Kenai	Lat 60°32'20", long 151°19'50". In SE 1/4 sec. 11, T.6 N., R.12 W., at North Kenai Road, 0.5 mi upstream from mouth at Cook Inlet, and 1.4 mi northwest of Kenai.	One discharge measurement, 1968; four recorded observations of no flow 1969-1970.	
15-2665	Bernice Creek near Kenai	Lat 60°41'30", long 151°22'50". In SE 1/4 sec. 16, T.7 N., R.12 W., at North Kenai Road, 500 ft below Bernice Lake, and 10.4 mi northwest of Kenai.	Two discharge measurements, 1968; three recorded observations of no flow 1969-1970.	
15-2670	Bishop Creek near Kenai	Lat 60°46'35", long 151°05'45". In NE 1/4 sec. 19, T.8 N., R.11 W., on right bank 20 ft upstream from culvert entrance on North Kenai Road (mile 35.1) and 1.4 mi upstream from mouth at Cook Inlet.	Continuous record April 1877 to September 1979; nine discharge measurements during 1963-1970.	Water-quality information available.

LAKE STAGE				
Lake	Tributary to	Location	Surface area (acres)	Period of Record
Kidney	Closed lake	In SW 1/4 sec. 29, T.7 N., R.11 W., at east shore.	71	1970-1976, generally one measurement per year, 1977 to present, two measurements per year.
Cabin	Closed lake	In NE 1/4 sec. 26, T.7 N., R.12 W., at east shore.	53	"
Dog Bone	Closed lake	In SE 1/4 sec. 13, T.7 N., R.12 W., at west shore.	27	"
Island	Closed lake	In SE 1/4 sec. 11, T.7 N., R.12 W., at west shore.	272	"
Unwarmed Lake	Closed lake	In SW 1/4 sec. 23, T.7 N., R.12 W., at south shore.	8.6	"
Wix	Closed lake	In NE 1/4 sec. 8, T.7 N., R.11 W., at north shore.	173	"
Geontrie (former Lake)	Closed lake	In SW 1/4 sec. 4, T.7 N., R.11 W., at north shore.	41	"
Douglas	Closed lake	In NW 1/4 sec. 28, T.7 N., R.11 W., at north shore.	90	"
Daniels	Bishop Creek	In SW 1/4 sec. 34, T.8 N., R.11 W., at north shore.	602	"
Shadras	Closed lake in Beaver Creek basin	In NE 1/4 sec. 15, T.7 N., R.10 W., at north shore.	258	"
Konovalof	Closed lake in Beaver Creek basin	In SW 1/4 sec. 26, T.7 N., R.11 W., at south shore of island near north shore of lake.	256	"
Bernice	Bernice Creek	In SW 1/4 sec. 15, T.7 N., R.12 W., at south shore.	146	1970-1976, generally one measurement per year, 1977-1979, continuous stage record, 1979 to present, two measurements per year.

CLIMATOLOGICAL (U.S. DEPARTMENT OF COMMERCE)				
Index no.	Station name	Location	Period of Record	Remarks
4546	Kenai FAA AP	Lat 60°34', long 151°15'; in SW 1/4 sec. 32, T.6 N., R.11 W., at Kenai Airport.	1970-1993 1943-present	
6403	Nikiski Terminal	Lat 60°44', long 150°23'; in NE 1/4 sec. 21, T.7 N., R.12 W., near North Kenai Road and 10 mi north of Kenai.	1967-present	

GROUND-WATER LEVELS					
Station no.	Owner-well designation	Well location and description	Frequency of measurement	Period of Record	Remarks
10004	Collier's OW-58	In SW 1/4 sec. 23, T.7 N., R.12 W. Drilled observation well in sand and gravel of Pleistocene age, diam. 6 in., depth 110.5 ft, screened 105 to 110.5 ft.	Recorder	1968 to present	Upper confined aquifer.
10116	USGS - Holt Road	In NE 1/4 sec. 32, T.7 N., R.11 W. Drilled water-table test well in sand and gravel of Pleistocene age, diam. 2 in., depth 77 ft, screened 74 to 77 ft.	Intermittent taped	1968-1972 1977-1979	Water-table aquifer.
10466	USGS - Kenai	In SE 1/4 sec. 12, T.6 N., R.11 W. Drilled water-table test well in sand and gravel of Pleistocene age, diam. 2 in., depth 92 ft, screened 82 to 92 ft.	Intermittent taped	1967-1972	Water-table aquifer.
10592	Collier's OW-7A	In SW 1/4 sec. 23, T.7 N., R.12 W. Drilled observation well in sand and gravel of Pleistocene age, diam. 12 in., depth 408 ft, perforated 350 to 392 ft.	Intermittent taped	1958-1971 1977 to present	Record for 1968-1971 was from perforated zone at 150 to 155 ft. Well desolved in 1975 and perforated at 350-392 of the lower confined aquifer.
10605	Collier's OW-7C	In SW 1/4 sec. 26, T.7 N., R.12 W. Drilled observation well in sand and gravel of Pleistocene age, diam. 6 in., depth 195 ft, screened 195 to 195 ft.	Recorder	1971-1973 1977-1979	Record poor; upper confined aquifer.
10607	Collier's OW-9	In NW 1/4 sec. 25, T.7 N., R.12 W. Drilled unaged water-table production well in sand and gravel of Pleistocene age, diam. 12 in., depth 90 ft, screened 95 to 90 ft.	Recorder	1970-1979	Water-table aquifer.
10613	C.W. Merz	In NE 1/4 sec. 27, T.7 N., R.12 W. Drilled water-table test well in sand and gravel of Pleistocene age, diam. 6 in., depth 66 ft, screened 61 to 66 ft.	Monthly	1970-1979	Water-table aquifer.
10624	Collier's TW-4	In NE 1/4 sec. 27, T.7 N., R.12 W. Drilled observation well in sand and gravel of Pleistocene age, diam. 10 in., depth 144 ft, screened 124 to 144 ft.	Recorder	1977-1979	Upper confined aquifer.
10646	Marathon 011	In NE 1/4 sec. 3, T.6 N., R.10 W. Drilled unaged water-table production well in sand and gravel of Pleistocene age, diam. 8 in., depth 80 ft, open-end at 85 ft.	Recorder	1976 to present	Water-table aquifer.
10676	Tesoro TW-1	In NE 1/4 sec. 22, T.7 N., R.12 W. Drilled observation well in sand and gravel of Pleistocene age, diam. 6 in., depth 290 ft, perforated to 95 ft and 107 to 111 ft.	Monthly	1968-1980	Upper confined aquifer.
10678	Tesoro TW-2	In NW 1/4 sec. 22, T.7 N., R.12 W. Drilled observation well in sand and gravel of Pleistocene age, diam. 8 in., depth 150 ft, perforated 90 to 94 ft.	Recorder	1977-1979	Upper confined aquifer.
10784	Bernice Lake Highway Camp	In SW 1/4 sec. 1, T.7 N., R.12 W. Drilled observation well in sand and gravel of Pleistocene age, diam. 6 in., depth 132 ft, screened 103 to 132 ft.	Intermittent taped	1970-1972	Upper confined aquifer.
10792	City of Kenai TW-3	In NE 1/4 sec. 3, T.5 N., R.11 W. Drilled observation well in sand and gravel of Pleistocene age, diam. 6 in., depth 273 ft, perforated 177 to 182 ft.	Recorder	1970-1971	Beaver Creek confined aquifer.
10795	City of Kenai TW-4	In SW 1/4 sec. 15, T.6 N., R.11 W. Drilled observation well in sand and gravel of Pleistocene age, diam. 6 in., depth 240 ft, perforated 220 to 240 ft.	Recorder	1970-1978	Beaver Creek confined aquifer.
10883	Old Kenai 0m1	In NW 1/4 sec. 28, T.6 N., R.11 W. Drilled water-table observation well in sand and gravel of Pleistocene age, diam. 6 in., depth 11.3 ft, perforated 7 to 11.3 ft.	Recorder	1970-1979	Water-table aquifer. Recorder on adjacent well of similar depth, 1968-1970.
10941	Bernice Lake (Deep)	In SW 1/4 sec. 15, T.7 N., R.12 W. Drilled observation well in sand and gravel of Pleistocene age, diam. 6 in., depth 196 ft, screened 191 to 196 ft.	Recorder	1972 to present	Upper confined aquifer (1)
10942	North Kenai State TW-2	In NE 1/4 sec. 19, T.7 N., R.11 W. Drilled observation well in sand and gravel of Pleistocene age, diam. 6 in., depth 343 ft, screened 339 to 343 ft.	Recorder	1972-1974 1974-1977 1977-1979	Lower confined aquifer (1)
11051	Collier's OW-1	In SW 1/4 sec. 21, T.7 N., R.12 W. Drilled observation well in sand and gravel of Pleistocene age, diam. 10 in., depth 382 ft, screened 342 to 382 ft.	Recorder	1977 to present	Lower confined aquifer.
11072	Collier's OW-38	In SW 1/4 sec. 21, T.7 N., R.12 W. Drilled observation well in sand and gravel of Pleistocene age, diam. 6 in., depth 236 ft, open-end finish.	Recorder	1977-1979	Lower confined aquifer.
11075	Collier's TW-5	In NE 1/4 sec. 21, T.7 N., R.12 W. Drilled observation well in sand and gravel of Pleistocene age, diam. 6 in., depth 305 ft, screened 283 to 305 ft.	Monthly	1977-1979	Lower confined aquifer.
11076	Same as 11075	Same as 11075, except perforated in upper confined aquifer from 300 to 305 ft. Packer set between perforated zone and screened zone.	Monthly	1977-1979	Upper confined aquifer.
11216	USGS - Bernice Lake (Shallow)	In SE 1/4 sec. 15, T.7 N., R.12 W. Drilled water-table observation well in sand and gravel of Pleistocene age, diam. 6 in., depth 52.4 ft, open-end finish.	Recorder	1977-1980 1980 to present	Water-table aquifer.
11233	USGS - Tesoro	In NE 1/4 sec. 22, T.7 N., R.12 W. Drilled water-table observation well in sand and gravel of Pleistocene age, diam. 6 in., depth 132 ft, open-end at 132 ft.	Recorder	1977 to present	Lower confined aquifer.
11241	USGS - Bernice Lake West	In SW 1/4 sec. 16, T.7 N., R.12 W. Drilled water-table observation well in sand and gravel of Pleistocene age, diam. 2 in., depth 66.3 ft, sand point 83.5 to 86.5 ft.	Intermittent taped	1978-1979	Water-table aquifer.
11242	USGS - Alnsworth	In SW 1/4 sec. 11, T.7 N., R.12 W. Drilled water-table observation well in sand and gravel of Pleistocene age, diam. 2 in., depth 43 ft, sand point 61 to 43 ft.	Intermittent taped	1978-1979	Water-table aquifer.
11244	USGS - Estes	In SW 1/4 sec. 12, T.7 N., R.12 W. Drilled water-table observation well in sand and gravel of Pleistocene age, diam. 2 in., depth 64 ft, sand point 61 to 64 ft.	Intermittent taped	1978-1979	Water-table aquifer.
11246	USGS - Enler	In SW 1/4 sec. 26, T.7 N., R.12 W. Drilled water-table observation well in sand and gravel of Pleistocene age, diam. 2 in., depth 123 ft, sand point 119 to 123 ft.	Intermittent taped	1978-1979	Water-table aquifer.
11251	USGS - Bernice Lake West	In SW 1/4 sec. 16, T.7 N., R.12 W. Drilled water-table observation well in sand and gravel of Pleistocene age, diam. 2 in., depth 199 ft, sand point 195 to 199 ft.	Intermittent taped	1978-1979	Upper confined aquifer.
11252	USGS - Alnsworth	In SW 1/4 sec. 11, T.7 N., R.12 W. Drilled water-table observation well in sand and gravel of Pleistocene age, diam. 2 in., depth 199 ft, sand point 193 to 199 ft.	Intermittent taped	1978-1979	Upper confined aquifer.
11253	USGS - Mansfield	In NW 1/4 sec. 18, T.7 N., R.12 W. Drilled observation well in sand and gravel of Pleistocene age, diam. 6 in., depth 125 ft, sand point 118 to 121 ft.	Intermittent taped	1978-1979	Upper confined aquifer.
11254	USGS - Estes	In SW 1/4 sec. 12, T.7 N., R.12 W. Drilled water-table observation well in sand and gravel of Pleistocene age, diam. 2 in., depth 153 ft, sand point 144 to 147 ft.	Intermittent taped	1978-1979	Upper confined aquifer.
11255	USGS - Enler	In SW 1/4 sec. 26, T.7 N., R.12 W. Drilled water-table observation well in sand and gravel of Pleistocene age, diam. 2 in., depth 123 ft, sand point 119 to 123 ft.	Intermittent taped	1978-1979	Upper confined aquifer.
11623	USGS - TW-5	In NE 1/4 sec. 3, T.6 N., R.11 W. Drilled observation well in sand and gravel of Pleistocene age, diam. 6 in., depth 127 ft, screened 122 to 127 ft.	Intermittent taped	1980-1982	Upper confined aquifer.

HYDROLOGIC-DATA STATIONS AND LAKE LEVELS, KENAI-NIKISKI AREA, ALASKA, 1983
by Bonnie J. Bailey