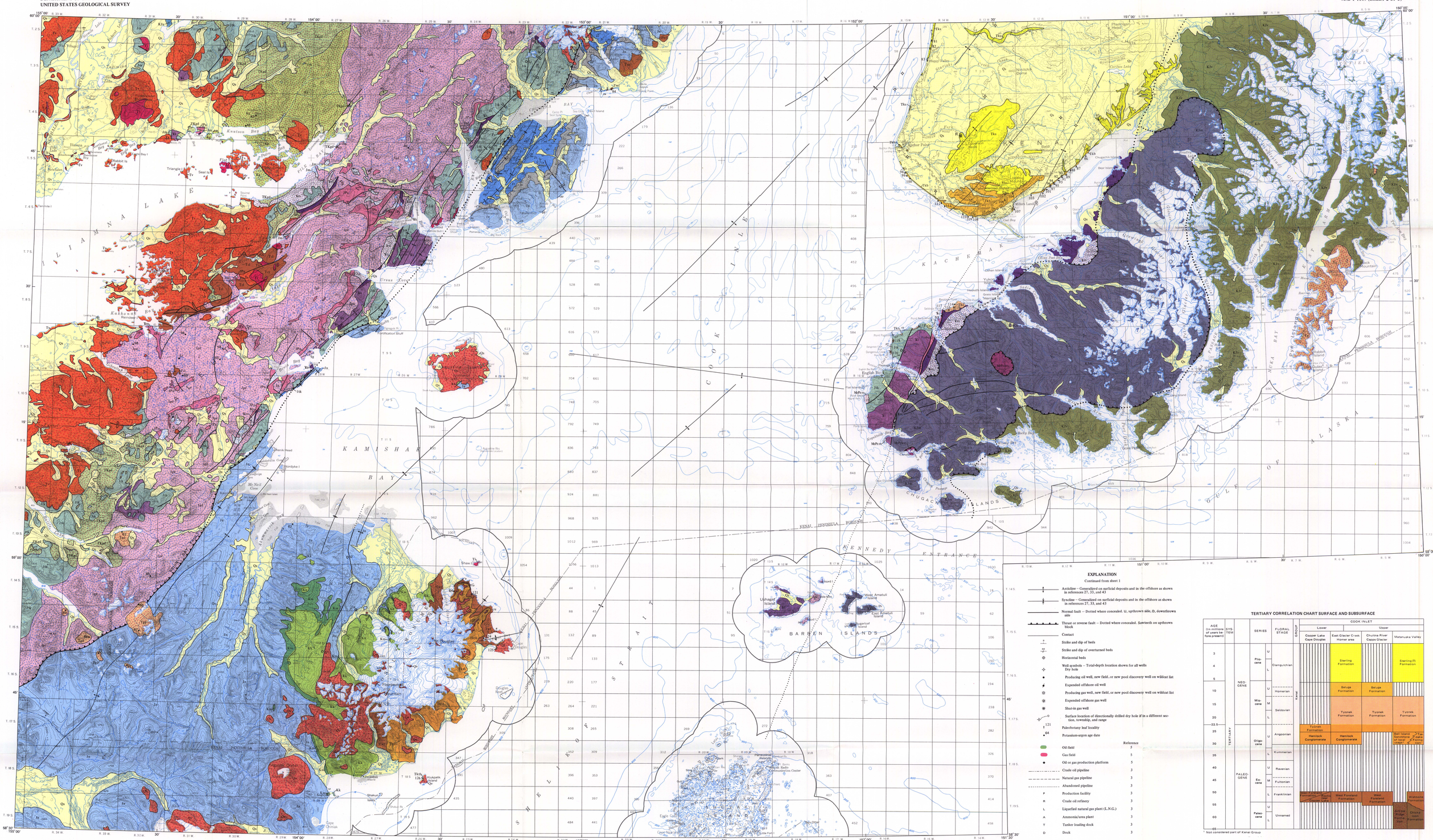

Base from U.S. Geological Survey 1:250,000
Iliamna, 1957, Seldovia, 1963, Katmai, 1951, Afognak, 1952

Bathymetry modified in part from
NOAA chart C & GS 8554

OCS tract outline from BLM, OCS official
protraction diagram nos. 5-1, 5-2, 5-3, 5-4

EXPLANATION

Continued from sheet 1

- Anticline – Generalized on surficial deposits and in the offshore as shown in references 27, 33, and 43
- Syncline – Generalized on surficial deposits and in the offshore as shown in references 27, 33, and 43
- Normal fault – Dotted where concealed. U, upthrown side; D, downthrown side
- Thrust or reverse fault – Dotted where concealed. Sawteeth on upthrown block
- Contact
- Strike and dip of beds
- Strike and dip of overturned beds
- Horizontal beds
- Well symbols – Total-depth location shown for all wells
  - Dry hole
  - Producing oil well, new field, or new pool discovery well on wildcat list
  - Expended offshore oil well
  - Producing gas well, new field, or new pool discovery well on wildcat list
  - Expended offshore gas well
  - Shut-in gas well
  - Surface location of directionally drilled dry hole if in a different section, township, and range
- Paleobotany leaf locality
- Potassium-argon age date

	Reference
Oil field	5
Gas field	5
Oil or gas production platform	5
Crude oil pipeline	3
Natural gas pipeline	3
Abandoned pipeline	3
P Production facility	3
R Crude oil refinery	3
L Liquefied natural gas plant (L.N.G.)	3
A Ammonia/urea plant	3
T Tanker loading dock	3
D Dock	3

TERTIARY CORRELATION CHART SURFACE AND SUBSURFACE

AGE (in millions of years before present)	SYSTEM	SERIES	FLORAL STAGE	GROUP	COOK INLET Lower: Cooper Lake Cape Douglas	COOK INLET Upper: East Glacier Creek Homer area	COOK INLET Upper: Chuitna River Capps Glacier	COOK INLET Upper: Matanuska Valley
3–5	NEOGENE	Pliocene U, L	Clamgulchian	Kenai		Sterling Formation		Sterling(?) Formation
10–15	NEOGENE	Miocene U	Homerian	Kenai		Beluga Formation	Beluga Formation	
15–20	NEOGENE	Miocene M, L	Seldovian	Kenai		Tyonek Formation	Tyonek Formation	Tyonek Formation
22.5–25	TERTIARY	Oligocene U	Angoonian		Tyonek Formation; Hemlock Conglomerate	Hemlock Conglomerate		Bell Island Sandstone of local usage; Tolsona Fm
30–35	TERTIARY	Oligocene L	Kummerian					
40–45	PALEOGENE	Eocene U, M	Ravenian, Fultonian					
50–55	PALEOGENE	Eocene L	Franklinian		Arkose of Poulsen (1953); Kachemak Formation; Rock Creek Sandstone	West Foreland Formation	Wall Formation	Wrangell Formation
60–65	PALEOGENE	Paleocene U, L	Unnamed				Arkose of Poulsen (1953); Chickaloon Formation	

* Not considered part of Kenai Group

MAP SHOWING GEOLOGY, WILDCAT WELLS, TERTIARY PLANT FOSSIL LOCALITIES, K-AR AGE DATES, AND PETROLEUM OPERATIONS, COOK INLET AREA, ALASKA

By
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