**WAV Item Captions from Chapter 24**

WAV-24-1. Seismic profile through basement uplifts in western North Aleutian basin, showing Tertiary sedimentary sequences and basin structures. Profiles adapted from Turner et al. (1988) and Sherwood et al. (2006). The location of the profile is shown in Figures 18-3 and 18-4.

WAV-24-2. Wellbore stratigraphy, North Aleutian Shelf COST 1 stratigraphic test well, drilled by an industry consortium in 1983. Adapted from Sherwood et al. (2006).

WAV-24-3. Generation potential (total organic carbon), hydrocarbon type (hydrogen index) indicators, thermal maturity (vitrinite reflectance), stratigraphy, and organization of play sequences for Cenozoic-age rocks in the North Aleutian Shelf COST 1 well. Adapted from Sherwood et al. (2006).

WAV-24-4. Burial history model for North Aleutian COST 1 well, showing high probability for hydrocarbons reaching sandstones in prospects as suggested by overlap of two “critical events”, primarily: 1) the time of oil and gas generation (38.5 Ma to Present); and 2) the formation of traps in Bear Lake-Stepovak reservoir sequence (28.3 Ma to Present). Diagram simplified after Sherwood et al. (2006). TTI (time-temperature index) thresholds and correlations to vitrinite reflectance (Ro) from Waples (1980). Software: *Lopatin-From Here to Maturity*, ver. 1.0, 1985, by Platte River Associates, Inc., and D. Waples. Geologic time scale from Walker et al. (2012). TTI forecasts and vitrinite reflectance (Ro) data do not correspond below 15,000 ft bkb, suggesting that the geothermal gradient in the past was lower than observed at present in the North Aleutian COST 1 well.