USU Lab # _____

USU LUMINESCENCE LABORATORY
1770 north research park way, suite 123, north logan, ut, 84341

LUMINESCENCE SAMPLE DATA SHEET

COLLECTION DATE_____

SAMPLE NUMBER _____ (use unique numbers, not "OSL-1")

PROJECT / LOCATION / SCIENTIST _____

_____

DEPTH BELOW ORIGINAL GEOMORPHIC SURFACE _____

DESCRIPTION OF LIKELY MOISTURE HISTORY OF SEDIMENT _____

MOISTURE CONTENT _____ (to be measured in lab)

ELEVATION (m, asl) _____ LATITUDE/LONGITUDE _____

ESTIMATED AGE (other age control) _____

SAMPLE TYPE: TUBE or BLOCK (circle one) QUANTITY _____

ANALYSIS TYPE REQUESTED (standard SAR OSL OR Single Grain) circle one

SEDIMENTARY/STRATIGRAPHIC DESCRIPTION (SUBMIT PICTURES/DRAWINGS) _____

_____

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_____

SAMPLING PROCEDURE CHECKLIST:

_____ 1) targeted fine-medium sand lenses (preferably >30 cm thick), avoid clay layers < 30 cm away
_____ 2) cleared outcrop back to fresh exposure, avoided bioturbation, soils and underlying erosional unconformities, primary sed structures seen
_____ 3) ensured tube is tightly packed. If not, pack with duct tape to ensure no shaking and mixing
_____ 4) used styrofoam plug in tube to avoid mixing, cover ends with caps and/or duct tape
_____ 5) sampled representative sediment environmental dose rate from 10-cm radius (in 1 qt ziplock)
_____ 6) sampled for moisture content (in film canister), or description of moisture history
_____ 7) documented with photos, measured sections