

## **APPENDIX E: EQUIPMENT FOR WGS PERSONNEL AND CLEARINGHOUSE FACILITY**

### **Personal Equipment to bring to Clearinghouse activation:**

- Government I.D. and business card(s)
- Appropriate clothing: rain gear, sun hat, sunglasses, hiking shoes, sunblock
- Day-glow vest
- Computer and (or) tablet
- Phone
- Food/water
- Your own field gear (data collection gear, PPE, shovel, tablet, GPS, and so on)

### **Logistics committee Equipment (need to bring to Clearinghouse facility):**

- 2 laptops and chargers (can be used by logistics and a spare)
- Extra power equipment: batteries, chargers, memory cards, adapters
- Name tags (stick on “Hello my name is” type)
- White board
- Flip charts/ large Post it pads on easel
- Wall space for posting materials and stuff to stick things to the wall (tacks, tape etc.)
- Projector and white wall or screen for projections
- Setup with a computer with capability of hosting virtual meetings (camera, speaker, screen etc.) such as a meeting OWL
- Office supplies: pens, pencils, notepads, scissors, tape, dry erase markers, sharpies, rubber bands
- 4 surge protector power strips
- 2 extension cords
- thumb drives
- coffee maker and coffee supplies
- case of water bottles
- some snacks
- clipboards

### **General Field Gear (can be used by anyone in WGS)**

- Write-in-rain field notebooks
- Duct tape
- Flagging tape
- Spray paint
- Phone tripod
- Binoculars
- Compasses (Brunton)
- Flashlight/headlamps
- First aid kits
- Sample bags
- Dry bags
- Measuring tapes
- Handheld rangefinders
- King radios
- GPS

- Hard hats
- Safety vests
- Box of gloves
- Safety glasses
- Kn95 masks
- Travel size sunscreens
- Shovels
- Hand saws

### **Earthquake Equipment (to gather and bring to Clearinghouse when activated-one set per team)**

- Printed/digital materials: topographic, road, geologic maps, liquefaction zones, air photos, paper data forms, sediment size and sorting chart, WGS/Clearinghouse contact list, local hospital info (one set per team)
- Clipboard
- Writing utensils: pencil, pen, sharpie (get from logistics if needed)
- Field notebook (Rite-in-the-rain recommended)
- Tools for dirt road access and safety: shovel, bow saw, wasp spray
- Traffic cones (1–2 per vehicle)
- Orange safety vest
- 5-gallon water jug
- Field backpack (one per team member)
- Tablet
- Hand-held GPS
- Cell phone
- Inverter or USP cigarette-lighter adapter
- Radio & manual, quick start guide and current repeater map
- Compass (Brunton, Silva, Suunto, or phone app)
- Tape measures (~3 m retractable and 10 m fabric or similar)
- Trowel (or Nejiiri Gama)
- Sample bags (30 per team)
- Umbrella
- Protective gloves (leather or similar)
- Hard hat (one per team member)
- Headlamp (one per team member) + extra batteries
- First aid kit

### **Landslide Equipment (to gather and bring to Clearinghouse when activated)**

- Handheld range finder
- Flashlight/headlamp
- First aid kit
- Cameras
- Binoculars
- Extra power equipment: batteries, chargers, adapters, memory cards, surge protector
- Safety gear -Hard hat, day-glow vest or field jacket, eye protection, gloves
- Tablets
- Cell phones
- Radios

- Laptops
- Rock hammer and (or) paleopick
- Appropriate clothing and personal items, including rain gear, sun hat, sunglasses, hiking shoes, sunblock

### **Tsunami Equipment (to gather and bring to Clearinghouse when activated)**

- Go-bag duffel/backpack containing all of the following:
- Folder/clipboard containing: inundation and evacuation maps for area of interest, imagery map, contact information sheet of state Emergency Managers and local Harbormasters, other local hazard or tsunami specific information as necessary.
- Trowel
- Pencil case with 2 sharpies, 2 pencils, and 2 sidewalk chalks
- Carpenter-style measuring tape

### **Remote Sensing Equipment (to gather and bring to Clearinghouse when activated)**

- Laptops and external hard drives (for working/processing), power supplies
- Cell phones
- UAS equipment (UAS, batteries, power station, power cords, controller, camera, SD cards)
- Tablets or other mobile device for data collection
- UAS license (pilot(s))
- Safety equipment (hardhat, eye protection, vest, fire extinguisher, flagging)

### **Outreach Equipment (to gather and bring to Clearinghouse when activated)**

- Laptops, two of which should have a local install of ArcGIS Pro and the full Adobe Suite
- Video equipment if needed (video camera, stabilizer, microphone, lights, tripod)

### **Data & IT Equipment (to gather and bring to Clearinghouse when activated)**

- 17 pre-loaded external emergency hard drives, 14 held by WGS members and 3 as spares
- 4 empty high-capacity external hard drives—Hard drives will be critical in a situation where the Clearinghouse has no Cloud access. The drives can also be used as on-site data backups.
- Laptops—Laptops with local installs of ArcGIS will be critical in a situation where there is no network connectivity.
- Tablets—Tablets to be kept at the Clearinghouse so that Data & IT committee staff can help troubleshoot and interact with field staff who may be working off a phone or tablet to collect data.