

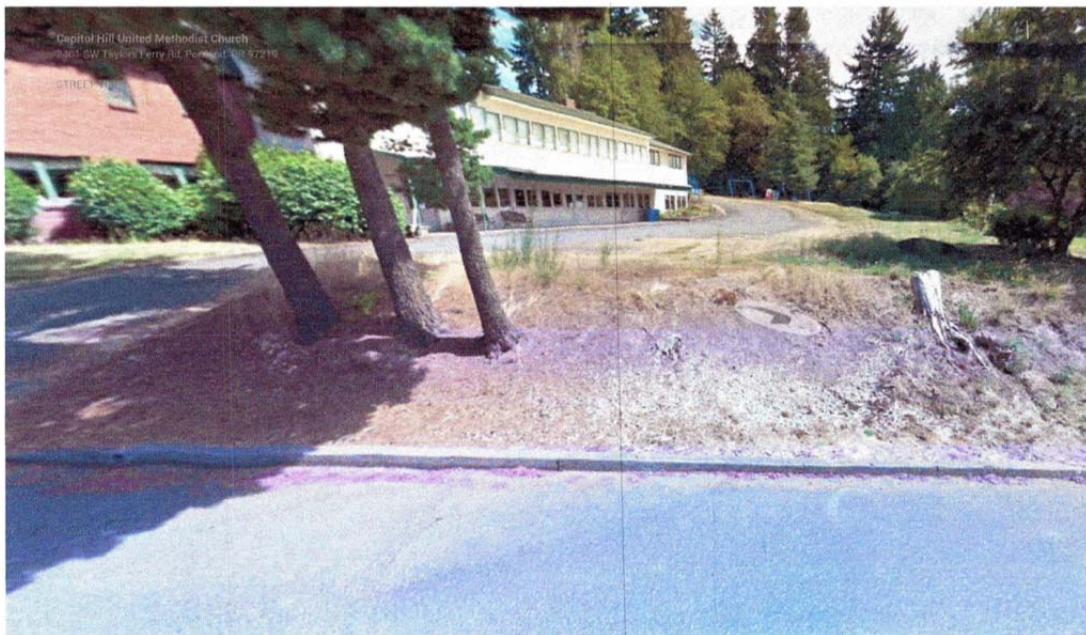
May 31, 2014

Markham Neighborhood Emergency Team (Markham NET) – Portland, OR

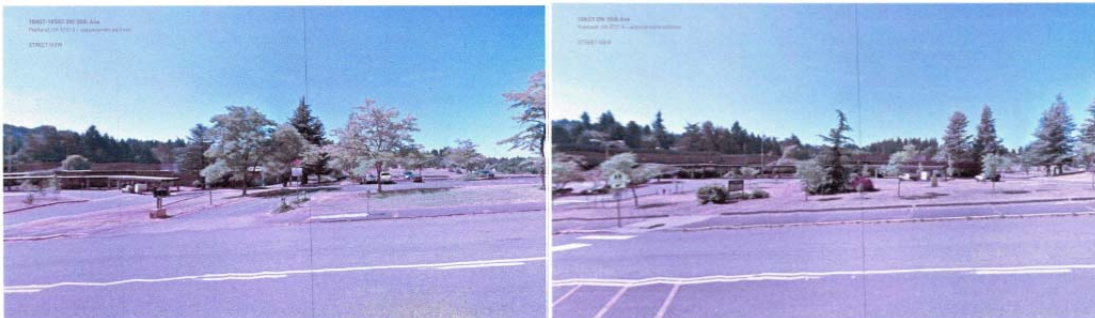
## Operations Plan

Markham NET – Team Roster: (Copy Attached)

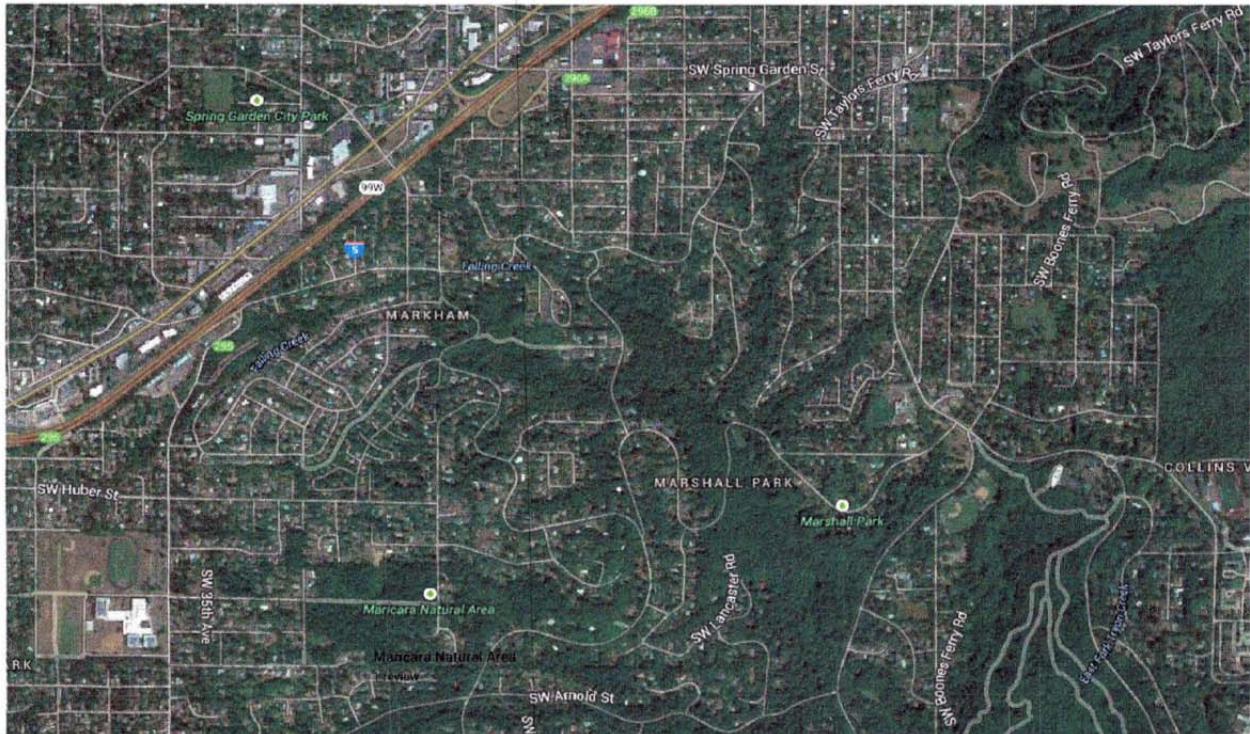
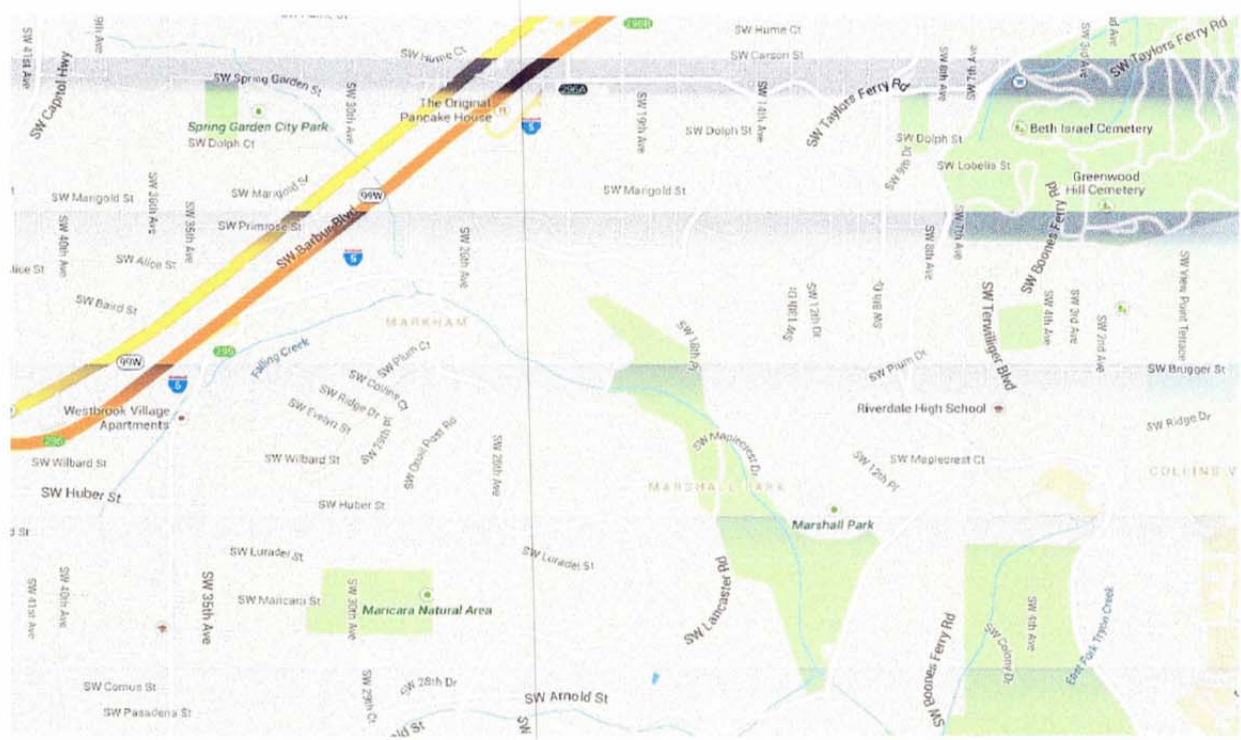
Markham NET – Primary Staging Area:  
Capitol Hill United Methodist Church – SW Taylors Ferry Rd.  
2401 SW Taylors Ferry Rd.  
Portland, Oregon 97219  
503-244-8874



Markham NET – Secondary Staging Area:  
Jackson Middle School – SW 35<sup>th</sup> Ave.  
10625 SW 35th | Portland, OR 97219  
Phone: (503) 916-5680 | Fax: 503) 916-2640



## Markham Neighborhood Map:



Portland Fire & Rescue – Fire Station #18  
8720 SW 30<sup>th</sup> Ave. Portland, OR 97219  
(503) 823-3700 [Request Station 18]  
(Near intersection w/SW Barbur Blvd.)



PBEM – BEECN (Basic Earthquake Emergency Communications Node):  
Holly Farm Park – SW Capitol Highway



Currently the BEECN Equipment has been removed from Holly Farm Park while a more secure location is established. When the new, or improved current BEECN site is again active this will be the area where Markham neighbors should go to report emergency incidents and damage reports and seek further assistance and services from NET volunteers and trained professionals. This location will be in radio contact with Fire Station 18 and reporting information for further action by emergency responders as needed.

**Markham NET Team Deployment:**

Following a disaster all team members are to report to the staging area. In some cases you will be notified to deploy by an official announcement from Portland Bureau of Emergency Management (PBEM). In some cases you may be notified by public alerts messages or from general media announcements.

Before reporting to the staging area, be sure your home and your family are safe and can remain in place until further notice. Also be sure to notify your out of state emergency contact that you are safe and secure. If your home and family are in immediate need of your assistance respond to their needs first before reporting to the

Markham NET staging area. As you prepare to report to the Markham NET staging area take note of conditions in your neighborhood. Are your neighbors in need of immediate assistance? Are there downed trees, power lines, broken water mains or leaking natural gas lines? Any and all of these may need your immediate attention. If your neighborhood is not in immediate need of your assistance at least make note of conditions in areas as you make your way to the Markham NET staging area. This way any areas in need of serious attention can be reported and then responded to by first responders or the team, once members have arrived at the staging area. Be sure your home and family can communicate with you by cell phone, text messaging or FRS radio.

The first person to arrive at the Markham NET staging area should determine if the location is safe to set up as an operating base. Until other team members arrive, use this time to organize supplies and materials and set up operations. As soon as additional team members arrive assign one person to begin contacting other team members to determine who will be able to report to the staging area and to get a report on damage conditions in their immediate area.

### **Markham NET Team Staging Area – Deployment:**

Once enough team members have assembled begin organizing in teams. Assign all communications activity to the first amateur radio (HAM) operator that arrives at the staging area. All others will be organized in teams to assess damages in the area and determine needs for additional assistance. We will deploy teams of two to three to go to each end of the Markham Neighborhood boundaries and work their way back to the staging area reporting in if any major damage or situation is encountered, or every fifteen minutes with routing a routine check-in to advise of current location. One of the first teams deployed needs to provide a status report on Jackson Middle School and how suitable it is for a possible triage area for injuries and casualties if needed.

When radio communications have been established we need to establish contact with the BEECN site at Holly Farm Park. If we are unable to reach anyone at the BEECN site a team needs to be sent to that location to set up the BEECN in order to communicate radio traffic with Fire Station #18 so that any professional services can be requested to the area.

### **Markham NET Team Communications:**

Once activated each Markham NET team member needs to begin communicating with telephone or FRS radio to the Markham NET staging area. As soon as possible team members at the staging area will begin to contact all team members to determine everyone's status and what our potential will be for staffing our staging area and responding to emergency needs in the Markham Neighborhood area.

### **Markham NET Team – Amateur Radio Communications (ARO/Ham Radio)**

Depending upon the situation we may be able to rely on the extensive HAM radio resources that Ron Magnus has available at his home near the staging area. We may also be able to enlist the assistance of veteran HAM radio operator and retired Markham NET team member Hanford Van Ness. Both have extensive radio equipment systems set up in their homes, very near our staging area and with much greater broadcast capability than any handheld radio units. If power is still connected these might be our best communication resources to reach both team members and professional responders.

### **On-Site Management:**

After teams have been dispatched to various areas of the Markham Neighborhood to assess damage and report back conditions, the remaining team members will staff the staging area setting up equipment and begin responding to those persons that are seeking assistance or medical attention. Team members at the staging area will begin reporting conditions, activities and emergency service needs in the Markham Neighborhood.

As search teams report back and return from various areas of the neighborhood they will rotate with other team members at the staging area so that all teams going into the neighborhood will not be exhausted or fatigued. Markham NET team members not suited for search team activity will remain at the staging area as the operations staff.

### **Spontaneous Unaffiliated Volunteers:**

We may have a number of people from the neighborhood that show up at the staging area eager to help. We should have these people sign in and indicate if they have any helpful and beneficial training or skills, such as doctor, nurse, HAM radio operator, building trades, etc. Volunteers with these kinds of skills and training can be assigned to Markham NET teams going into the neighborhood to determine conditions and needs. The remaining team members at the staging area will assign one person to coordinate this group of volunteers and we will seek their assistance in reporting and perhaps responding to conditions in the area. If possible we will assign one or two to each of our search teams to assist and possibly as messengers to bring back reports from various parts of the Markham Neighborhood, especially if FRS radio or cell phone communications are not reliable. We also will interview these volunteers to determine what conditions are like in their areas of the Markham Neighborhood to add to our report on the overall condition and emergency needs in the Markham Neighborhood.

**Potential Neighborhood Hazards & Vulnerabilities:** The Markham Neighborhood runs parallel to the I-5 Northbound Freeway. Much of the terrain is hilly and wooden. There are several streams and creeks in the area that are part of the Tryon Creek Watershed. This means that in the event of a major fire, earthquake or heavy rains this neighborhood could sustain major damages and loss of important services.

The area could become isolated from other parts of the city. Access to even close by areas such as SW Barbur Blvd. and the on-ramp to I-5 South require overpass crossings and these might not be standing following an earthquake incident.

Wind and rain storms could close roads in low lying areas to high water runoff and downed trees could make many roads impassable. Nearly all ways to access any part of the Markham Neighborhood requires traveling on roads and streets that are in and near heavy tree growth. There are a number of creeks, streams and ravens in the Markham Neighborhood and these areas could be subject to flash flooding or in the case of a major earthquake, mud flows. The overall terrain in the Markham Neighborhood may make getting to the staging area very difficult and make it almost impossible for professional emergency resources to respond to many areas in the event of a major disaster.

The Markham NET Team will need to rotate coverage of the staging area for at least three days, or until all emergency needs in the neighborhood have been responded to by emergency professionals and services.

Markham NET

Karen Koetz – Co-Team Leader  
Michael Palmer – Co-Team Leader