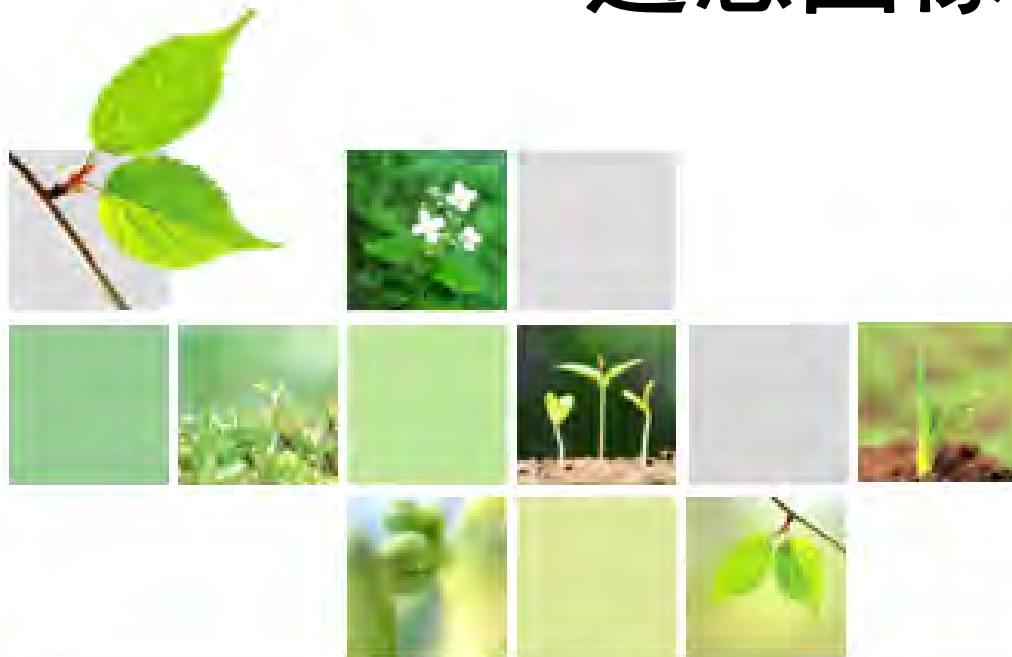


遥感图像专题图制作

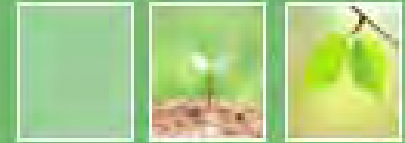


黄铁兰

测绘遥感信息工程系



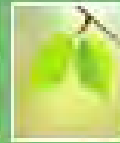
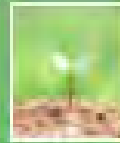
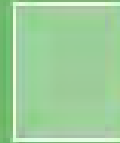
专题制图



- ERDAS IMAGINE 的专题地图编辑器 (Map Composer) 是一种所见即所得的编辑器，用于产生地图质量的图像和演示图。
- 这种地图可以包含栅格图层、矢量图层、GIS专题图层和注记层，可以自动生成各种地图要素（图例、比例尺...）。



专题制图

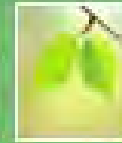
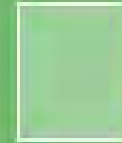


- 专题制图工作流程

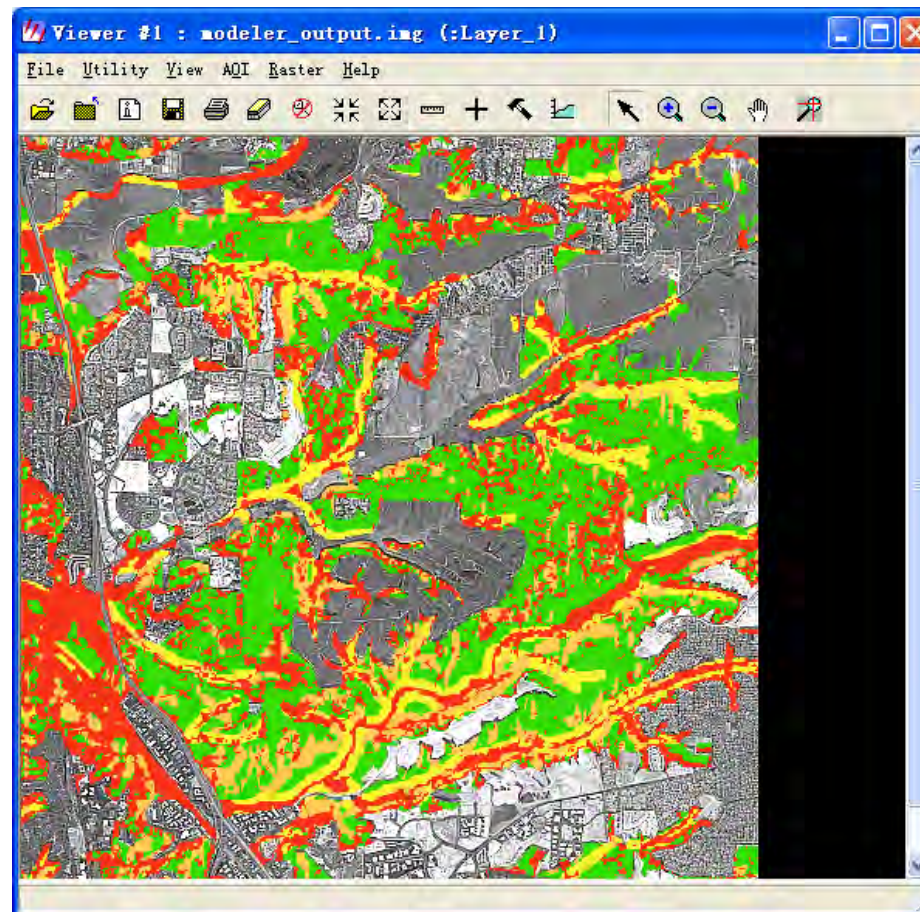
- 根据需要进行地图图面的整体设计，包括图幅大小、图面布置方式、地图比例尺、图名及图例说明
- 准备数据层
- 启动地图编辑器
- 确定地图的内图框，同时确定输出地图所包含的实际区域
- 添加各种地图元素
- 保存和打印



专题制图

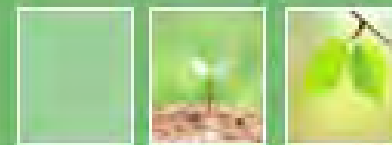


- 数据准备
 - 在Viewer中打开图象modeler_output.img

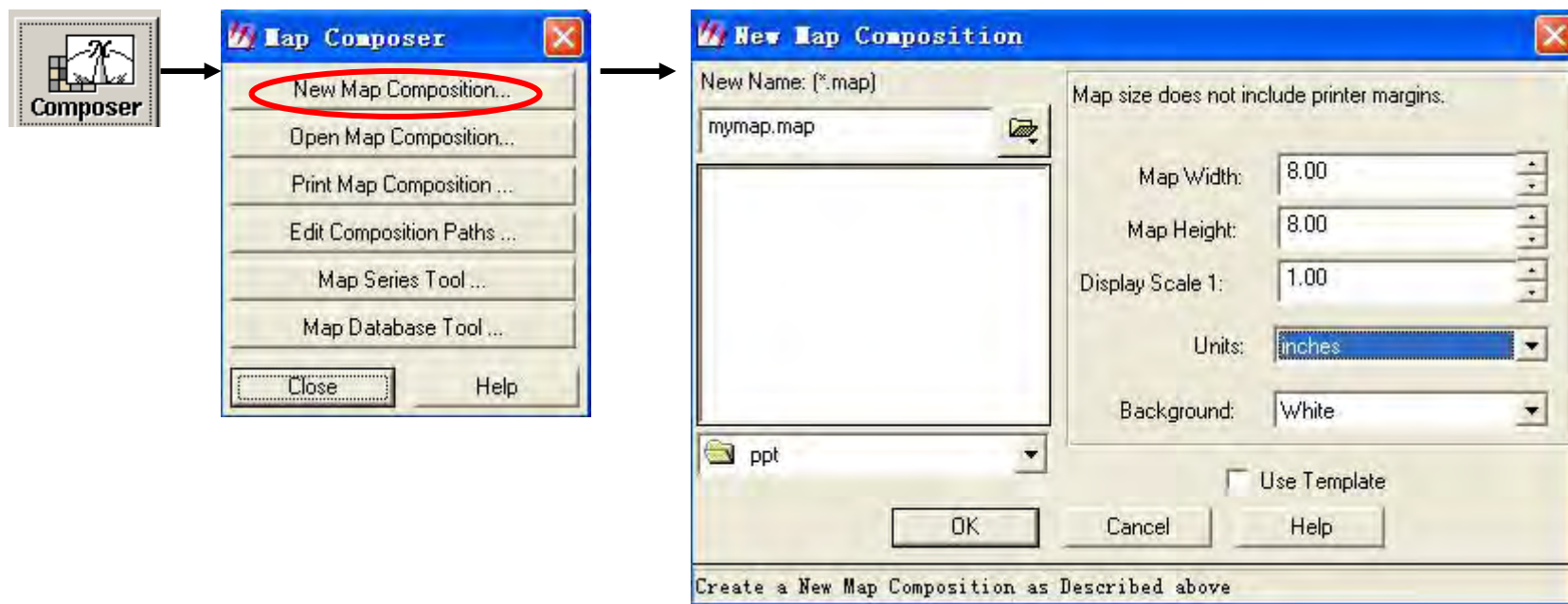




专题制图

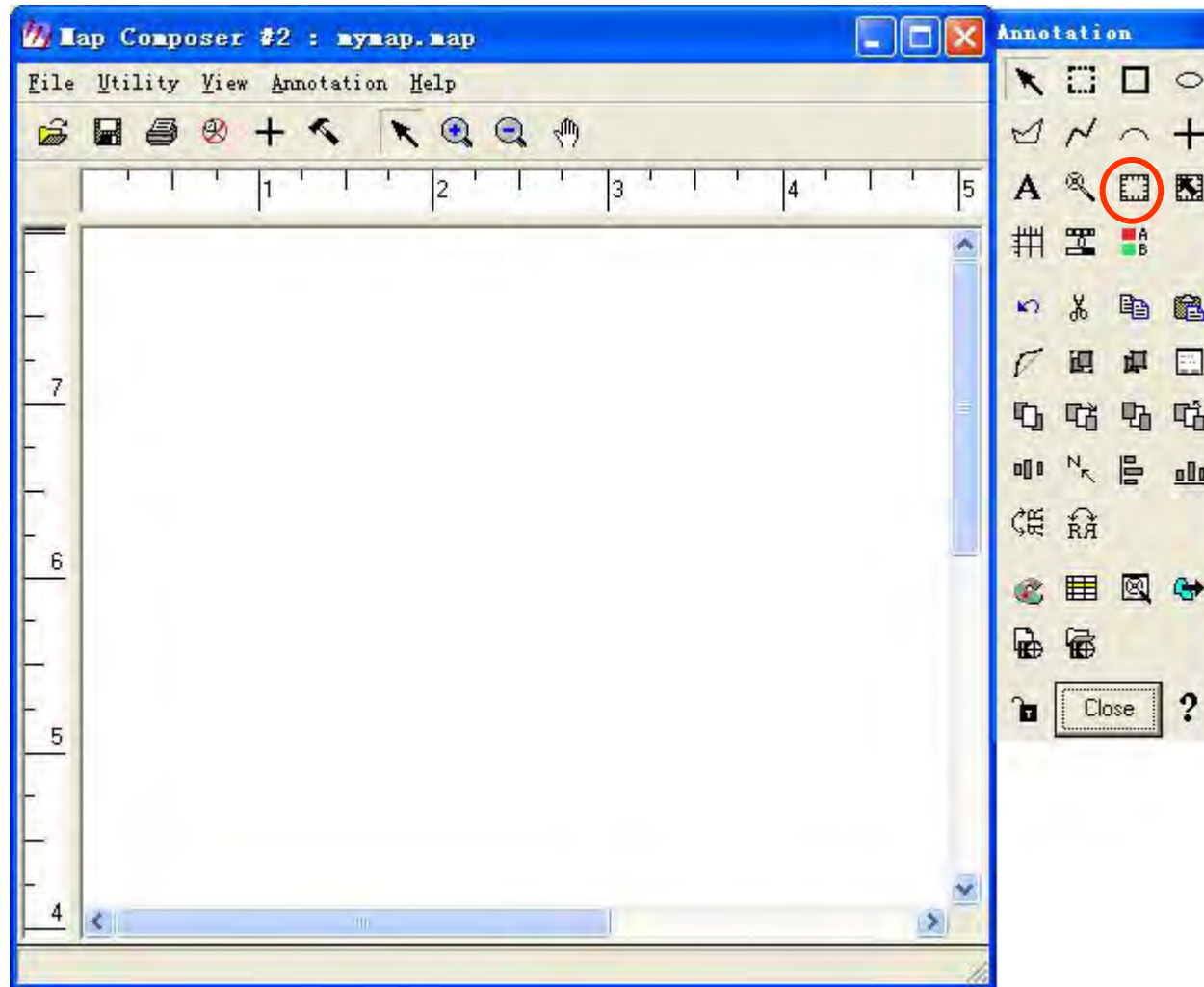
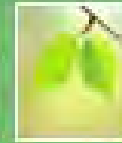
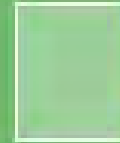


- 启动地图编辑器
 - 新建专题图文件
 - 设置图幅宽度 (Map width) 和高度 (Map Height)、地图显示比例 (Display Scale)、图幅尺寸单位 (Units)



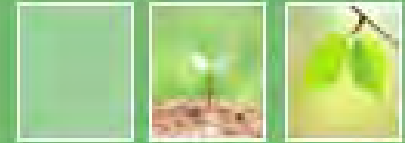


专题制图





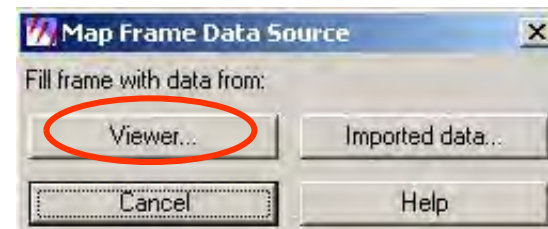
专题制图



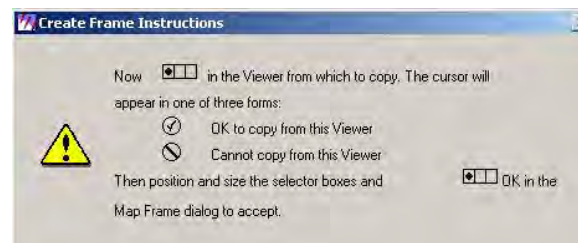
• 绘制图框（Draw the Map Frame）

1、在Annotation工具条中单击 

2、确定地图的内图框：在Map Composer窗口中按住鼠标拖动，画出地图边框。释放鼠标后出现下面的对话框，选择Viewer....

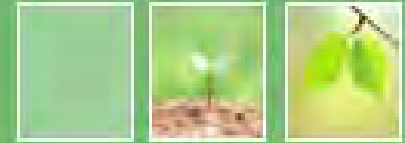


3、出现以下对话框，在已打开的Viewer中图象上任意位置点一下；

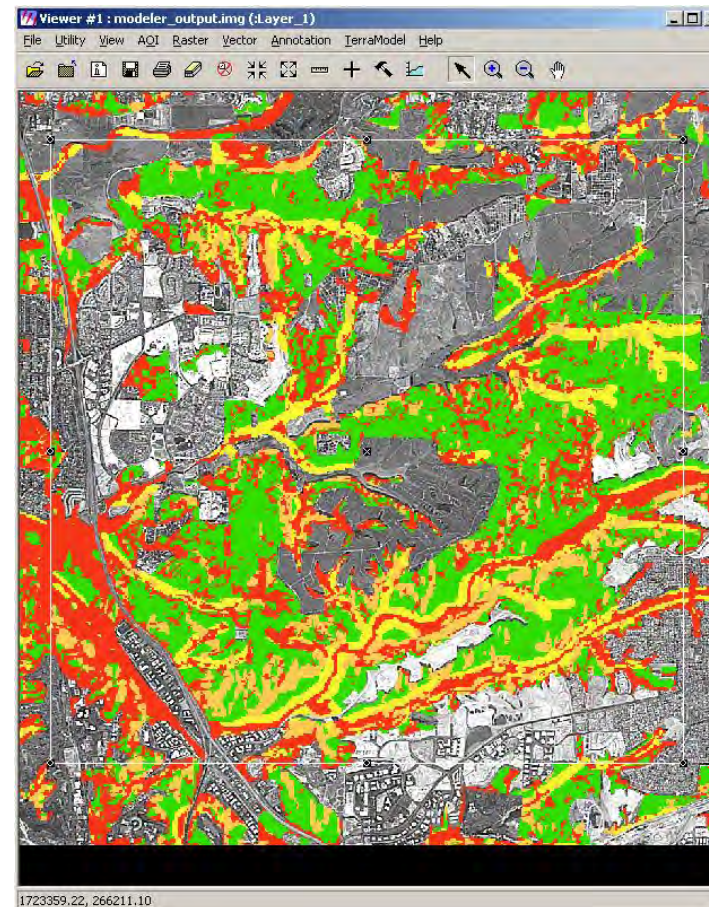
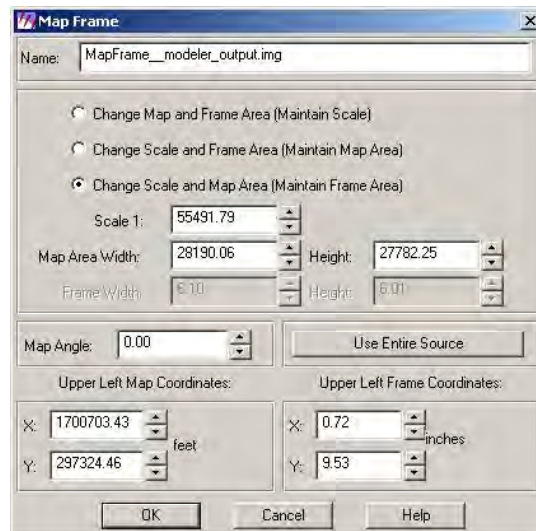




专题制图

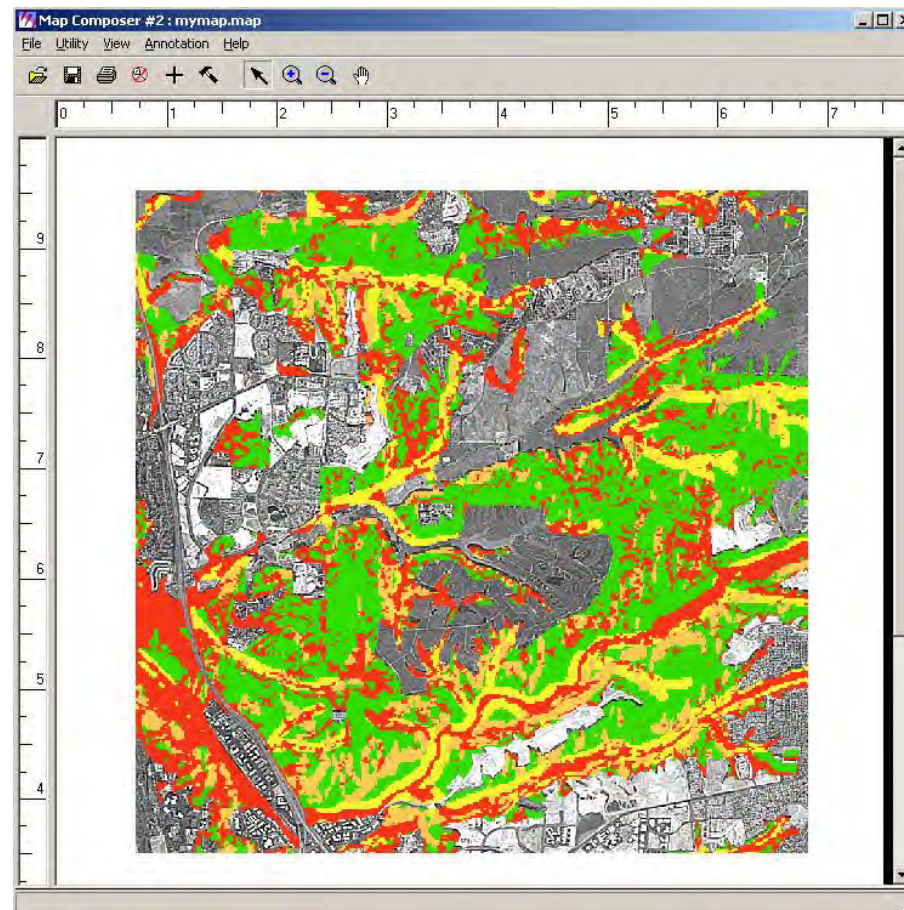
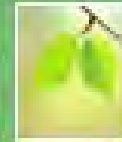
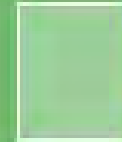


4、确定输出地图所包含的实际区域：在Viewer窗口中会有一个选定的白框，可以调整选定的制图区域。



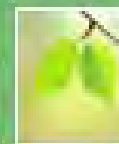
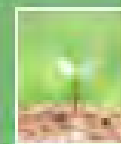
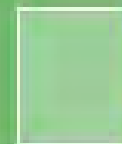


专题制图





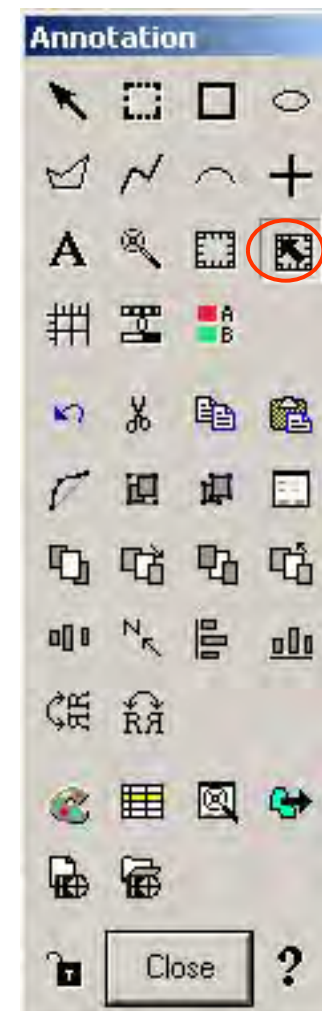
专题制图



编辑图框 (Edit the Map Frame)

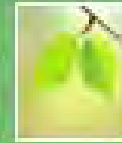
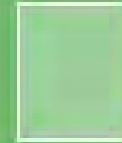
1、选定要编辑的Map Frame

选定后可以移动或缩放内图框

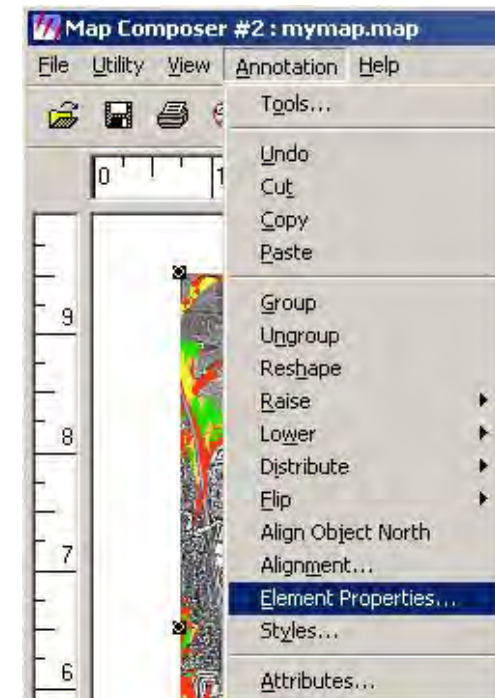
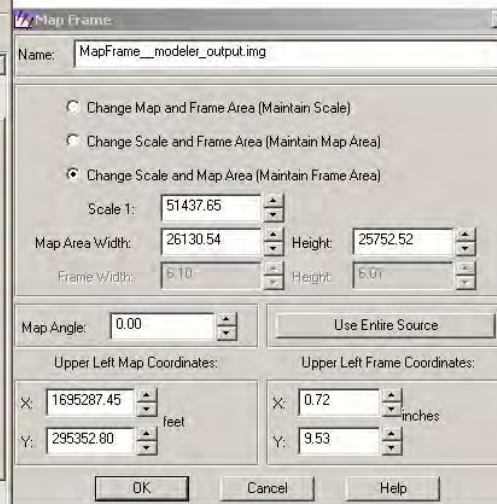
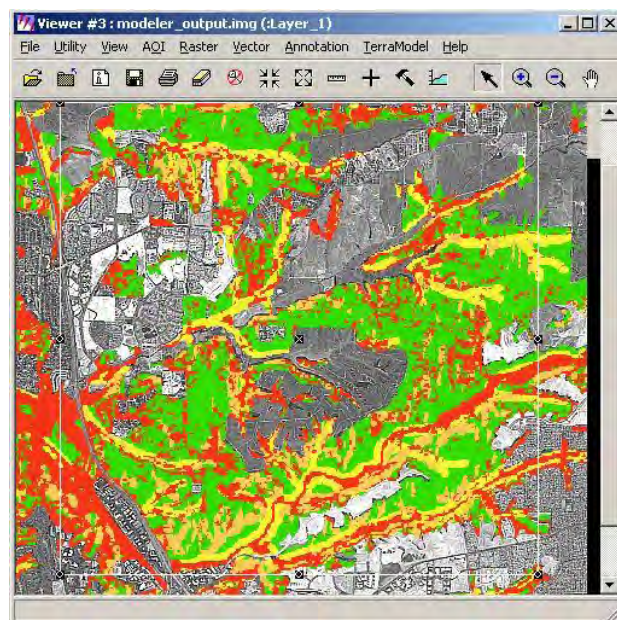




专题制图

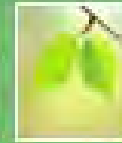
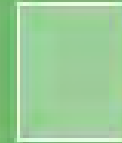


2、在Map Composer窗口中的制图区上双击鼠标左键或在下图的菜单中选择，可以修改实际数据区域范围

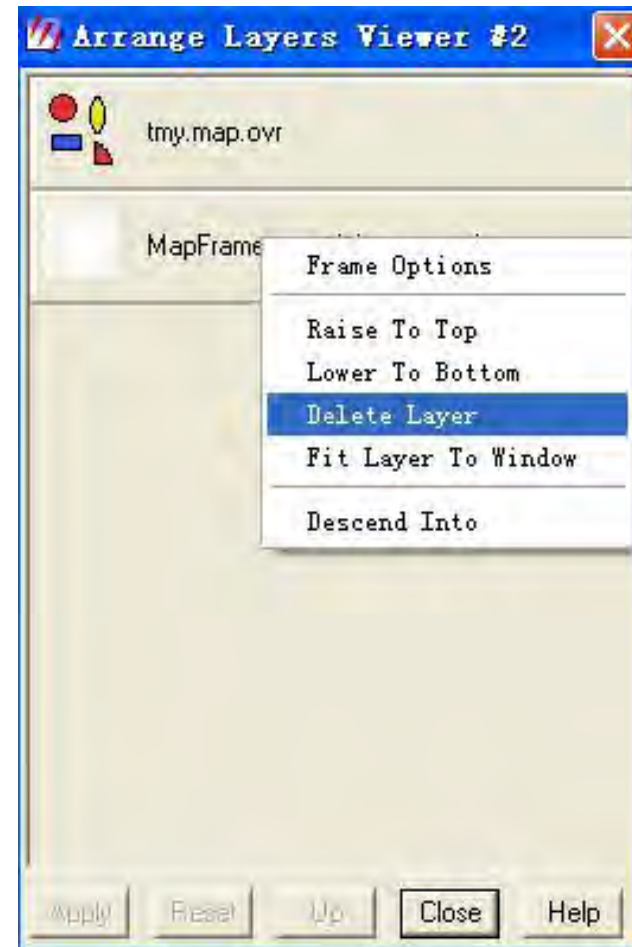
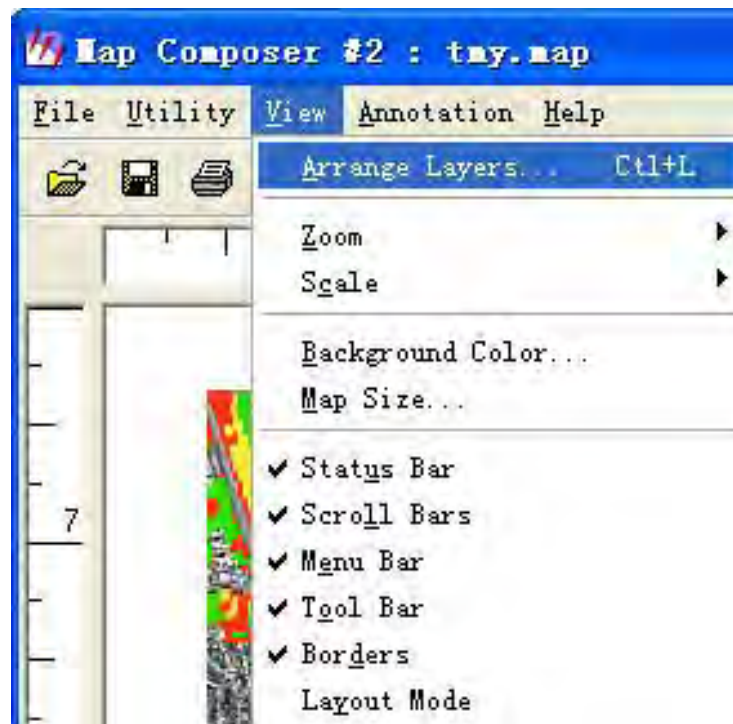




专题制图

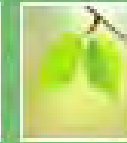
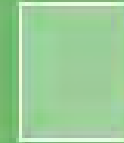


删除地图 (Delete the Map)





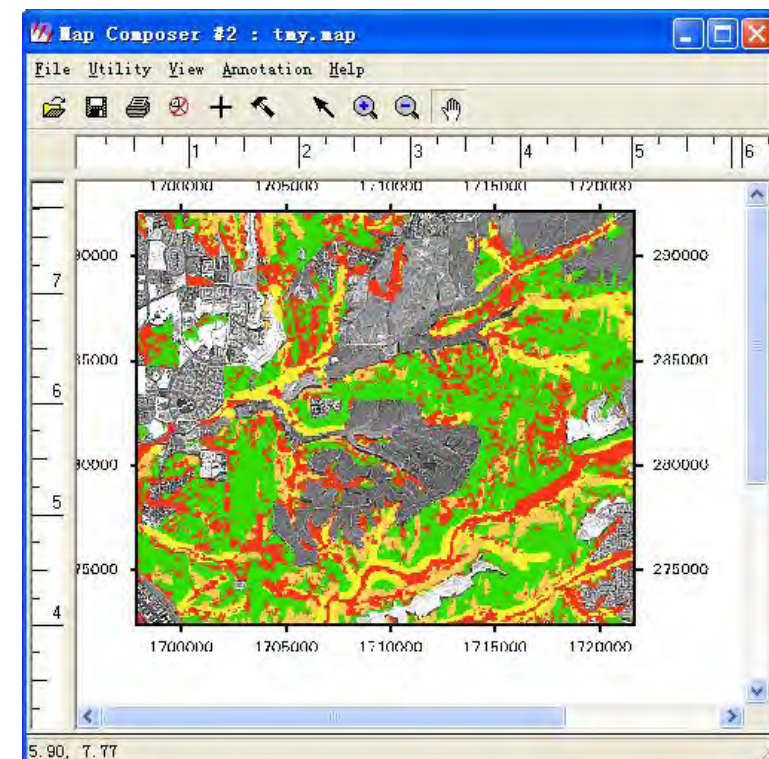
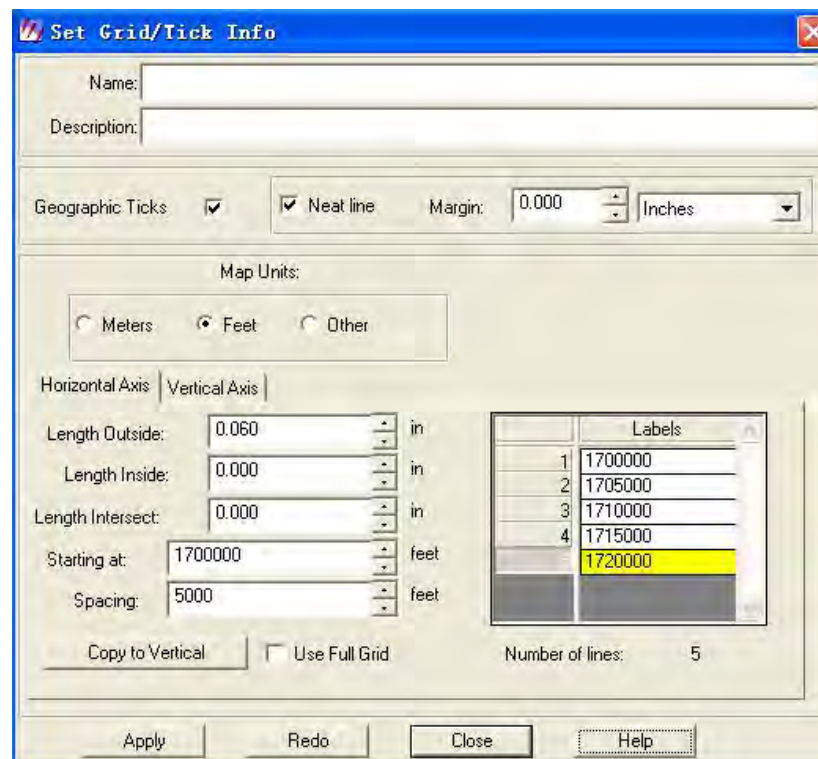
专题制图



Add a Neat line and Tick Marks

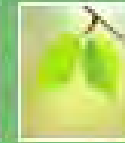
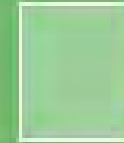
1、在Annotation工具条上选择 ，然后在图上点击鼠标左键一下

2、

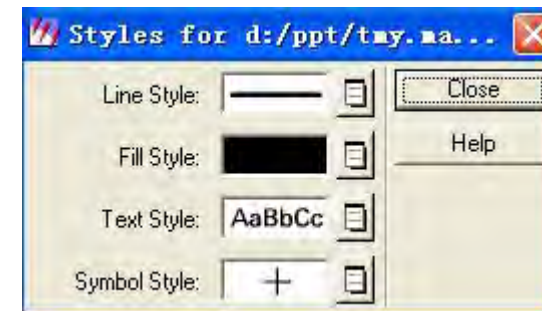
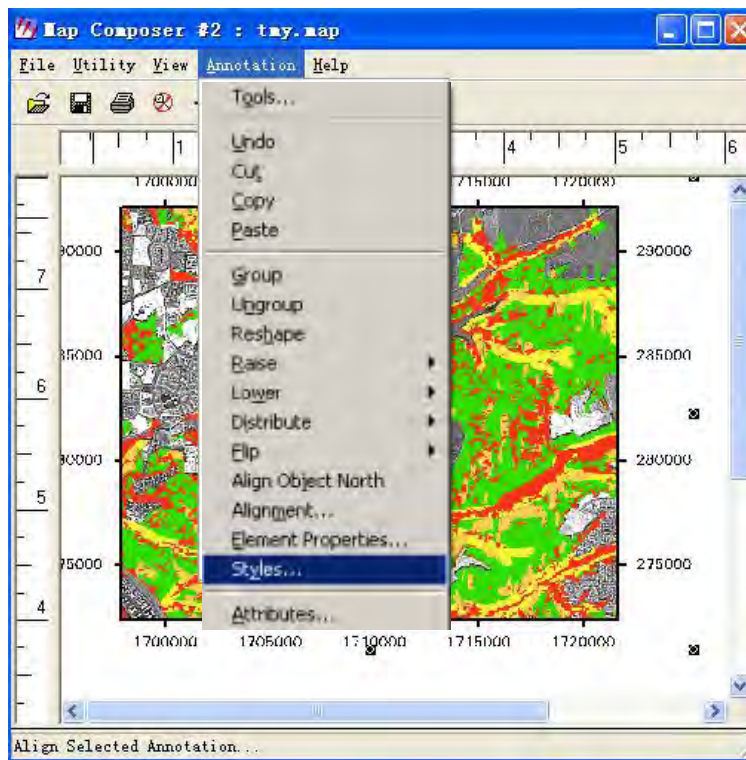




专题制图

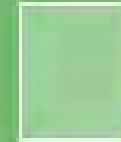


修改文本/线型 (Change Text/Line Style)

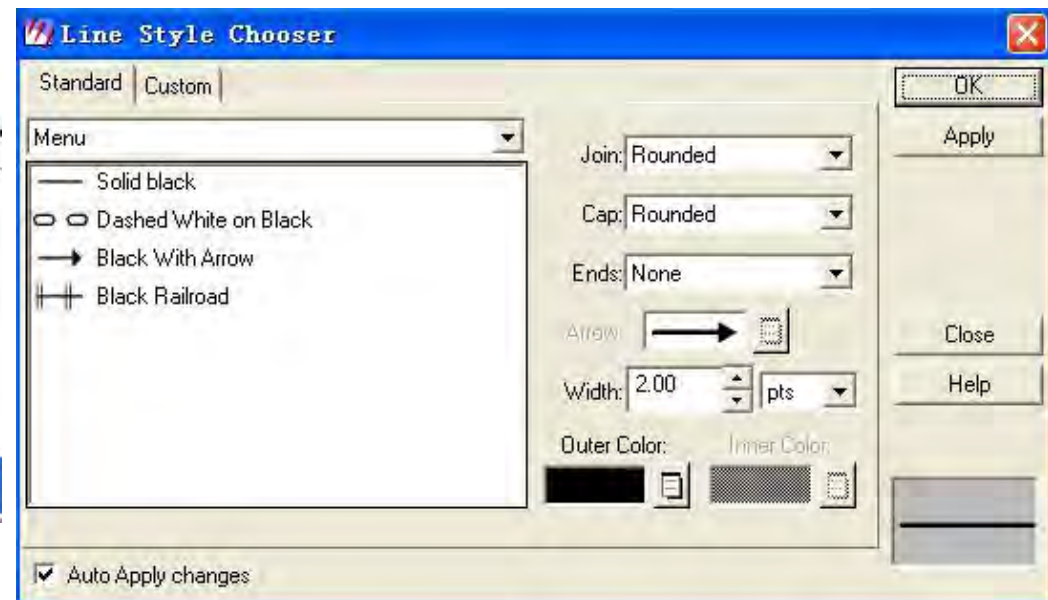
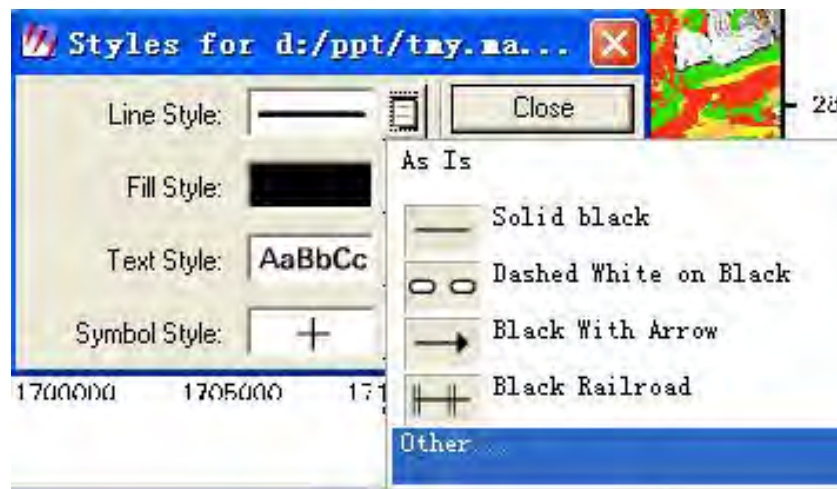




专题制图

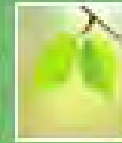
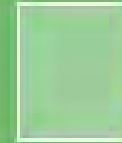


修改文本/线型 (Change Text/Line Style)

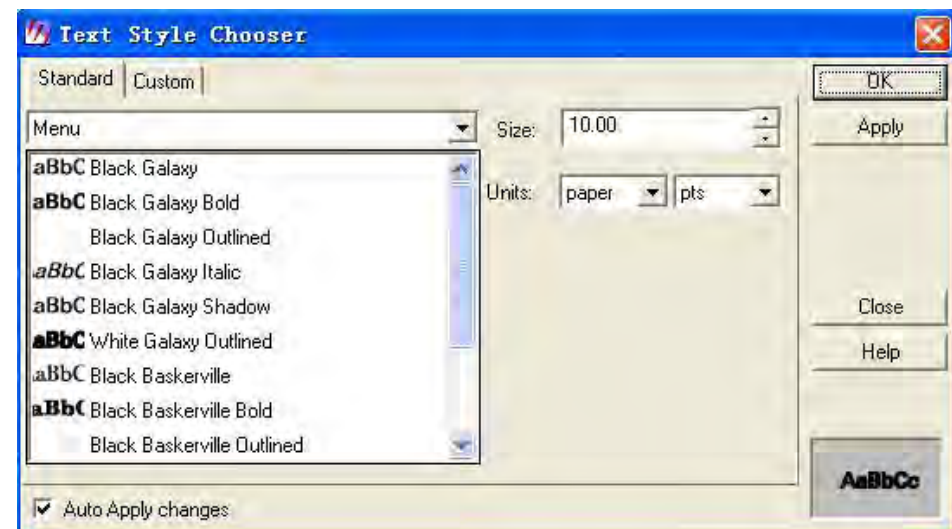
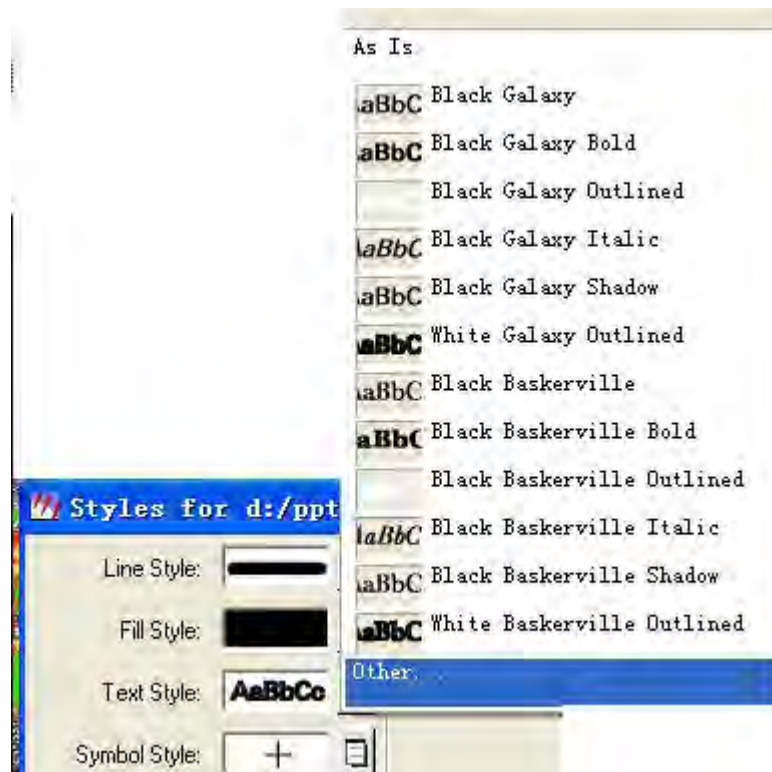




专题制图

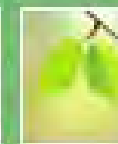
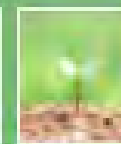
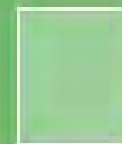


修改文本/线型 (Change Text/Line Style)





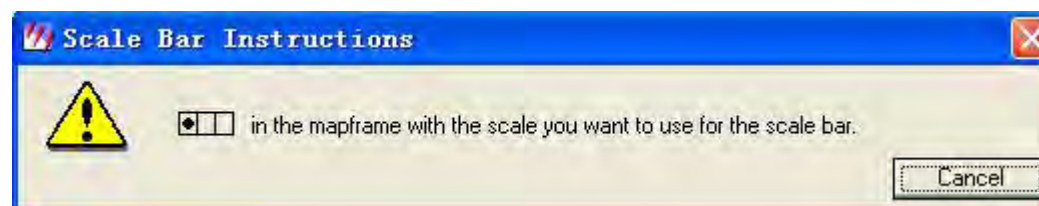
专题制图



制作比例尺 (Make Scale Bars)

1、

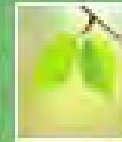
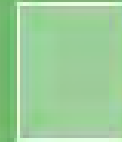
2、在图上拖曳鼠标画出希望比例尺放置的位置



3、出现上面的提示框后在制图区域上点击一下

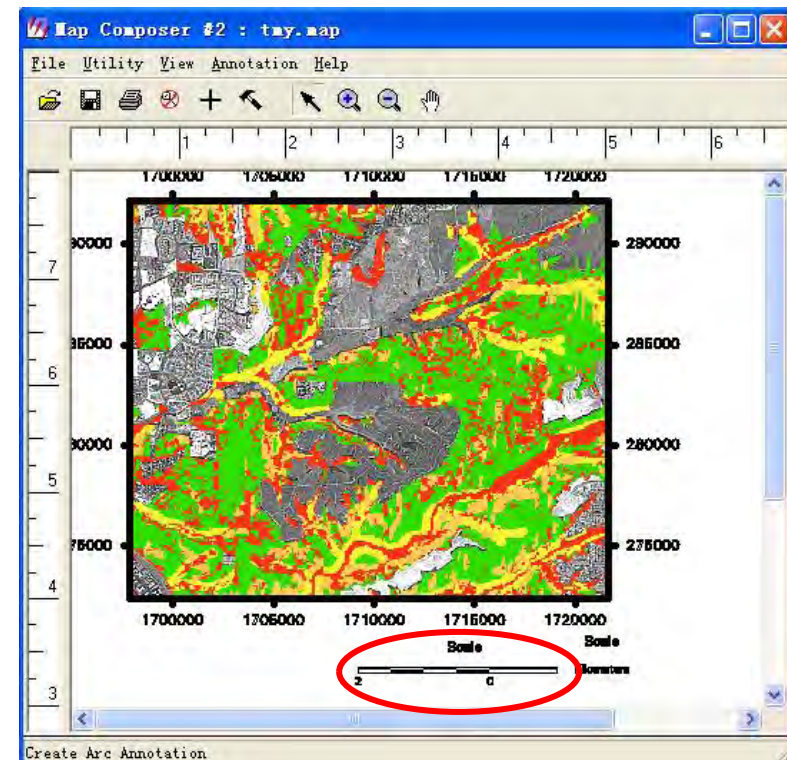
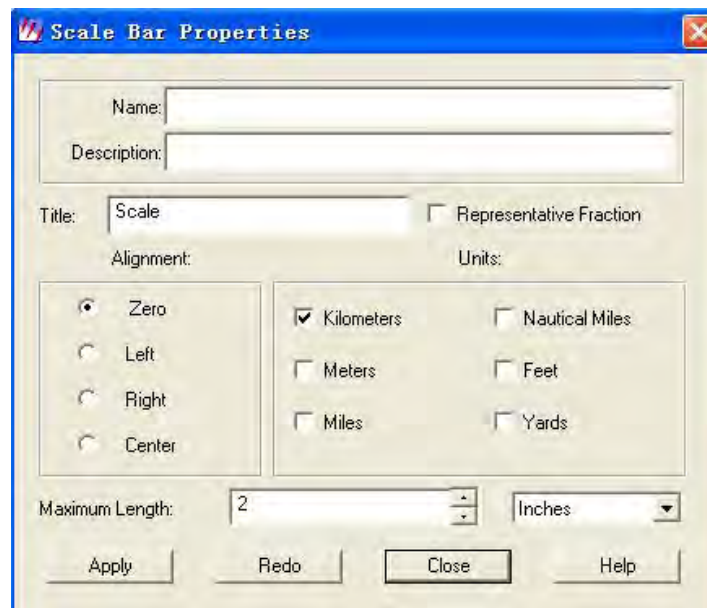


专题制图



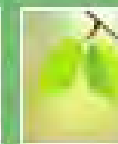
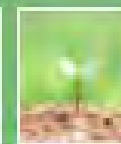
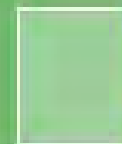
制作比例尺 (Make Scale Bars)

4、





专题制图

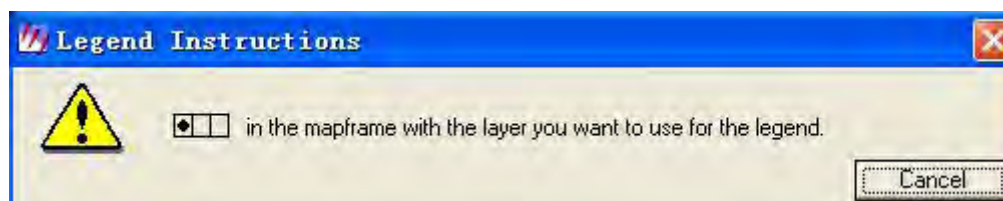


创建图例（ Create a Legend）

1、



2、在图上拖曳鼠标画出希望图例放置的位置



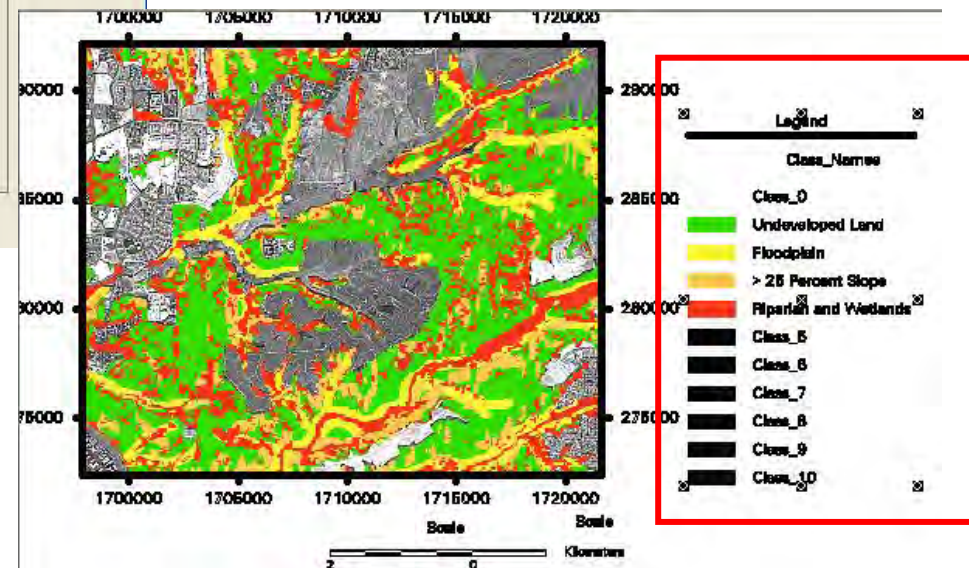
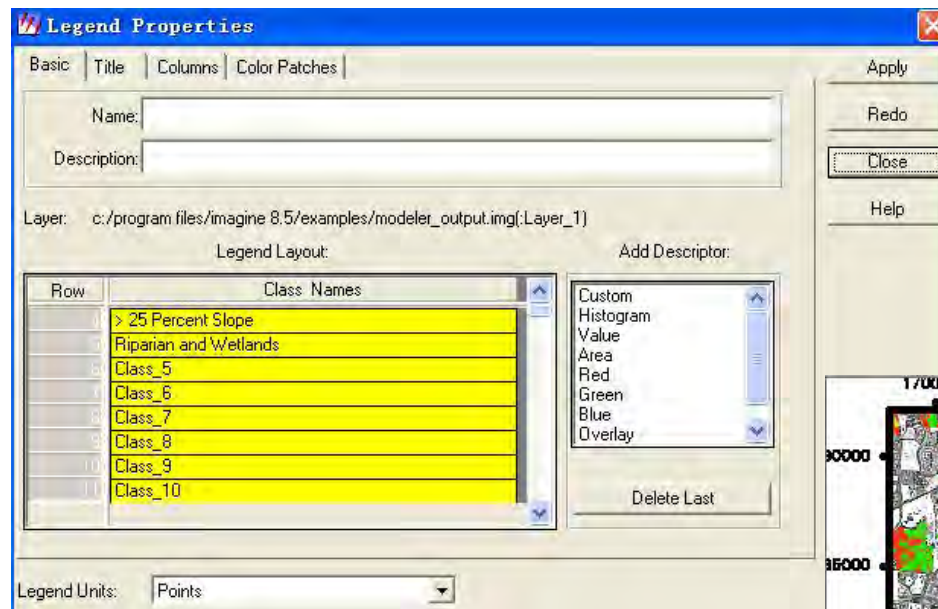
3、出现上面的提示框后在制图区域上点击一下



专题制图

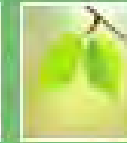
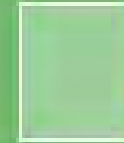


创建图例 (Create a Legend)





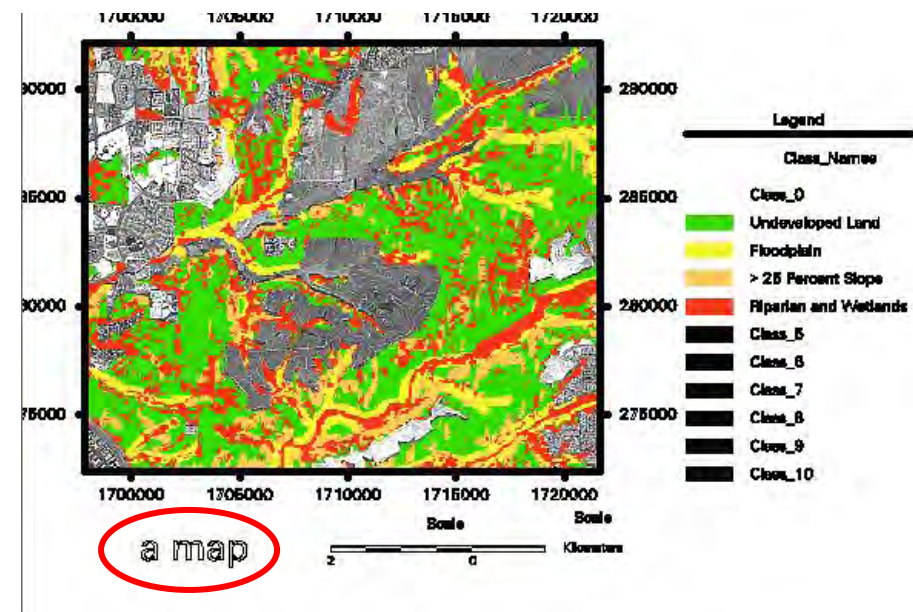
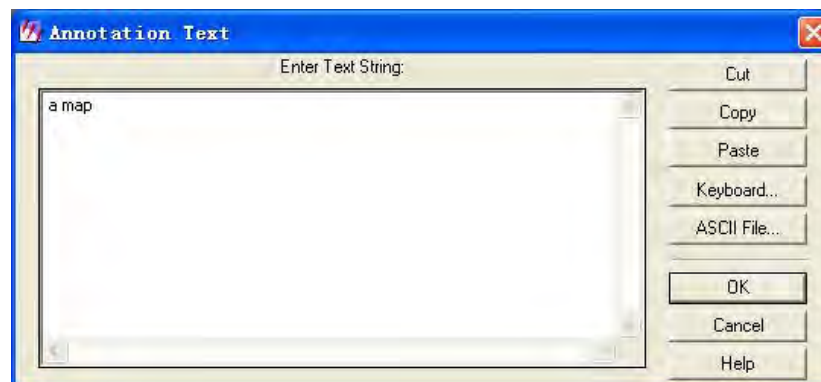
专题制图



添加图名 (Add a Map Title)

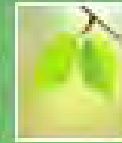
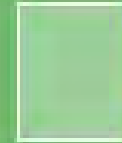
1、

2、在制图区域需要放置文字的地方点击一下





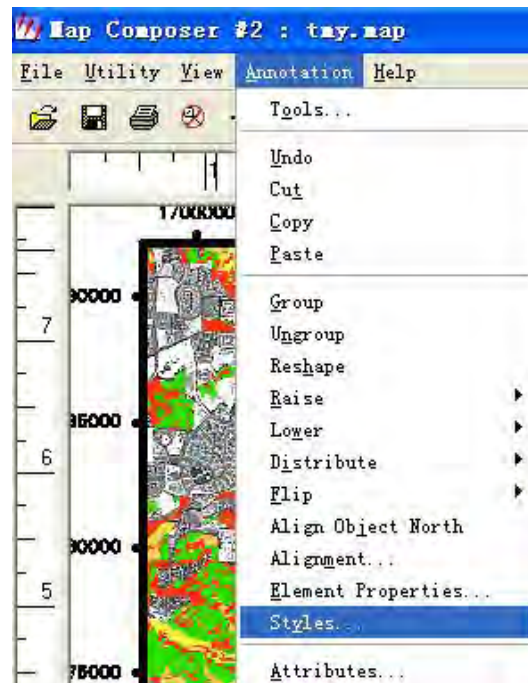
专题制图



修改文字（Change Text Style）

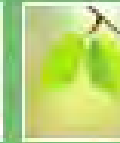
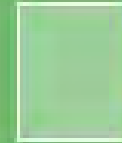
1、选中要修改的文字

2、



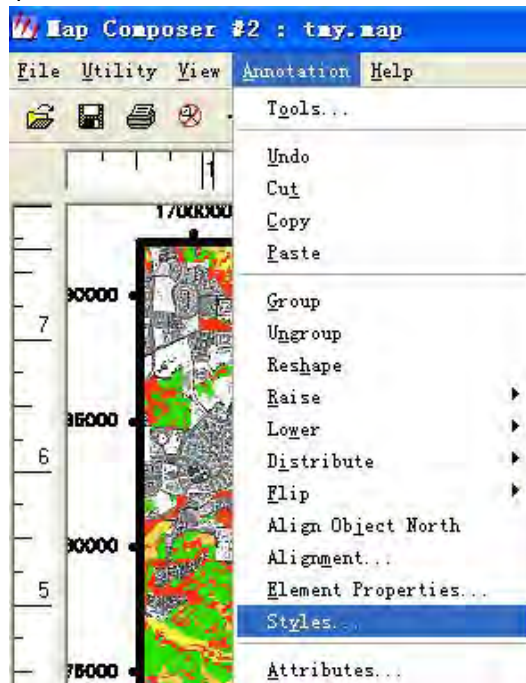


专题制图



放置指北针 (Place a North Arrow)

1、

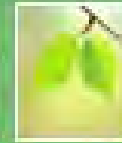
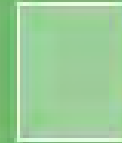


2、



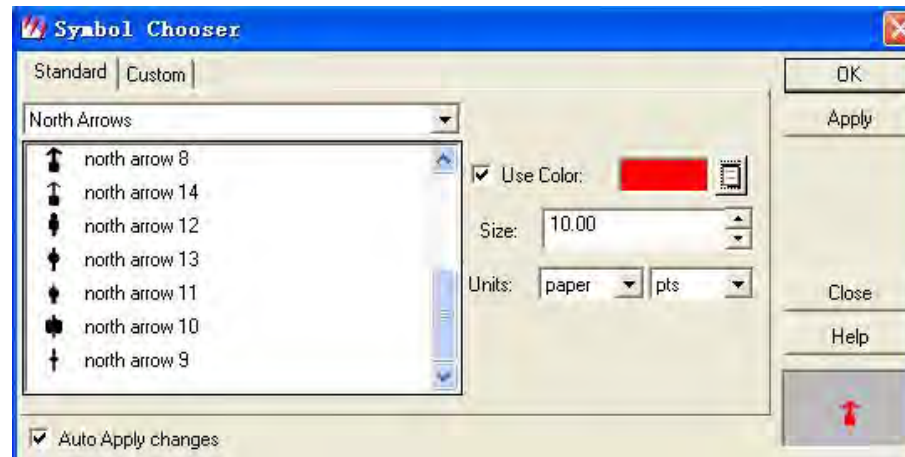


专题制图



放置指北针（Place a North Arrow）

3、



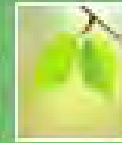
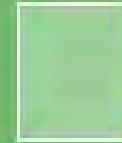
4、



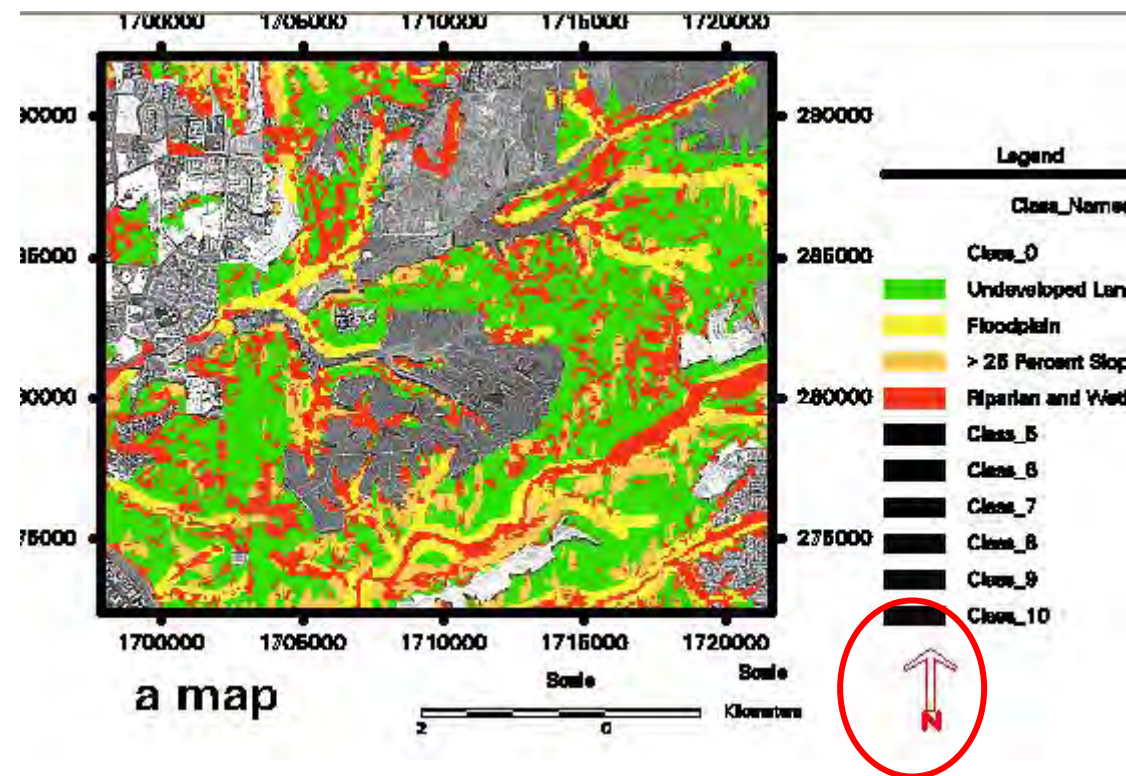
5、在需要放置指北针的位置点击鼠标

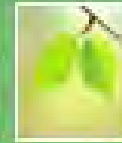
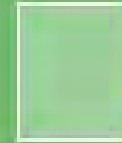


专题制图



放置指北针 (Place a North Arrow)



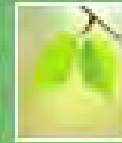
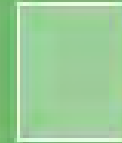


描述 (Write Descriptive Text)

- 1、设置文本的格式
- 2、



专题制图



保存地图 (Save the Map Composition)

1、

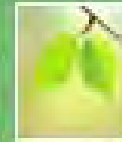
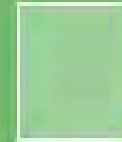


2、

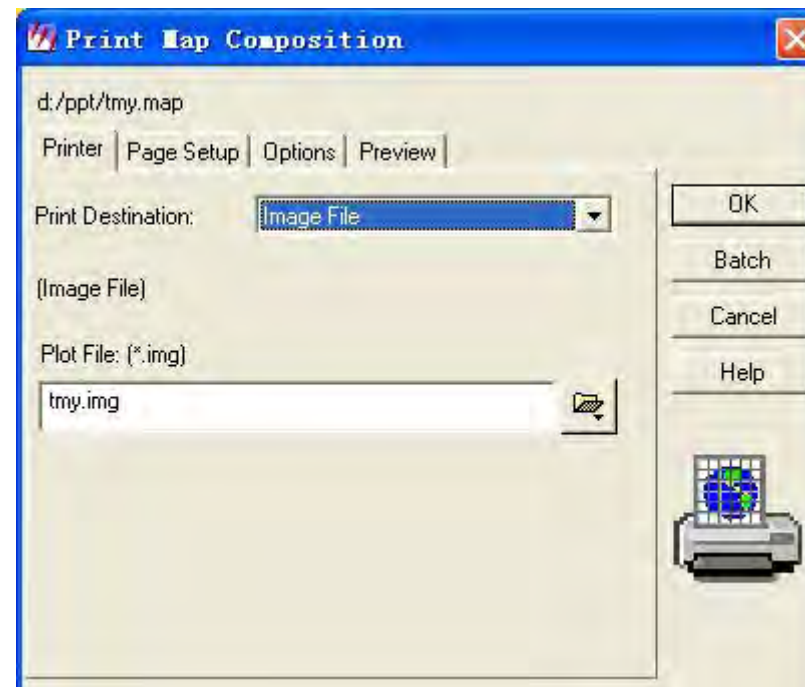




专题制图



打印地图 (Print the Map Composition)



Thank You!

