

```
graph TD
    setup_R([setup_R]) --> main[set_up_configuration_and_start_provenance_tracking]
    main --> rast_base["rast_base  
file:{dir_spatial}/raster/ohibc_rgn_raster_500m.tif"]
    main --> dir_goal([dir_goal])
    main --> dir_spatial([dir_spatial])
    main --> poly_3nm_file["poly_3nm_file  
file:{dir_spatial}/howe_sound_offshore_3nm.shp"]
    main --> poly_1km_file["poly_1km_file  
file:{dir_spatial}/howe_sound_inland_1km.shp"]
    rast_base --> create_buffer[create_presence_of_buffer_rasters]
    dir_goal --> create_buffer
    create_buffer --> rast_3nm_handle([rast_3nm_file_handle])
    create_buffer --> rast_1km_handle([rast_1km_file_handle])
    rast_3nm_handle --> read_in_buffer[read_in_buffer_shapfiles_if_rasters_not]
    rast_1km_handle --> read_in_buffer
    dir_spatial --> read_in_buffer
    poly_3nm_file --> read_in_buffer
    poly_1km_file --> read_in_buffer
    read_in_buffer --> rast_3nm_file["rast_3nm_file  
file:{dir_goal}/spatial/hs_offshore_3nm_raster_500m.tif"]
    read_in_buffer --> rast_1km_file["rast_1km_file  
file:{dir_goal}/spatial/hs_inland_1km_raster_500m.tif"]
```

