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graph TD
    In(( )) --> setup_R
    In --> set_up_config[set_up_configuration_and_start_provenance_tracking]
    In --> zonal_stats_1km_file
    In --> zonal_stats_ws_file
    In --> zonal_stats_3nm_file
    setup_R --> set_up_config
    set_up_config --> dir_goal
    set_up_config --> zonal_stats_1km_file
    set_up_config --> zonal_stats_ws_file
    set_up_config --> zonal_stats_3nm_file
    dir_goal --> read_in_stats[read_in_zonal_stats_dataframes]
    zonal_stats_3nm_file --> read_in_stats
    zonal_stats_1km_file --> read_in_stats
    zonal_stats_ws_file --> read_in_stats
    read_in_stats --> stats_1km
    read_in_stats --> stats_ws
    read_in_stats --> stats_3nm
    set_goals_threshold[set_goals_target_threshold] --> lsp_thresh
    stats_1km --> compute_total[compute_total_cells_and_cumulaative_total_of_cells_per_region]
    stats_ws --> compute_total
    stats_3nm --> compute_total
    lsp_thresh --> compute_total
    compute_total --> prot_1km
    prot_1km --> Out(( ))
  
```

The flowchart illustrates a data processing pipeline for computing protected areas. It begins with a 'setup_R' node, which leads to 'set_up_configuration_and_start_provenance_tracking'. This step generates a 'dir_goal' and feeds into three file nodes: 'zonal_stats_3nm_file', 'zonal_stats_1km_file', and 'zonal_stats_ws_file'. These files are then read into 'read_in_zonal_stats_dataframes', which produces 'stats_1km', 'stats_ws', and 'stats_3nm'. A 'set_goals_target_threshold' node produces an 'lsp_thresh' node. All four intermediate nodes feed into 'compute_total_cells_and_cumulaative_total_of_cells_per_region', which finally outputs 'prot_1km' and ends at a terminal node.

