

Environmental Justice Screening Form

Project Name	Weston Storage Tanks Replacement
Anticipated Date of MEPA Filing	November 24, 2025
Proponent Name	Town of Weston, Public Works, Water Division
Contact Information (e.g., consultant)	Wright-Pierce 78 Blanchard Road Suite 404 Burlington, MA 01803 Contact Person: Elizabeth Doerfler (860) 852-1922 elizabeth.doerfler@wright-pierce.com
Public website for project or other physical location where project materials can be obtained (if available)	https://www.weston.org/1828/Proposed-Water-Tank-Replacement-Project
Municipality and Zip Code for Project (if known)	Weston, MA 02493
Project Type* (list all that apply)	• Water Supply – Treatment/conveyance • Article 97
Is the project site within a mapped 100-year FEMA flood plain? Y/N/unknown	N
Estimated GHG emissions of conditioned spaces (click here for GHG Estimation tool)	Not applicable – no conditioned spaces

Project Description

1. Provide a brief project description, including overall size of the project site and square footage of proposed buildings and structures if known. The project consists of the replacement of three active water storage tanks: Paines Hill, Cat Rock, and Doublet Hill, which were constructed in 1953, 1946, and 1931, respectively. The existing tanks are approaching or have exceeded their useful life and must be replaced. The existing tanks were generally constructed at the highest elevations in the town and their replacements need to be constructed in the same vicinity as the existing tanks. The existing tanks are located on three Town-owned properties, all of which are bordered by land protected under Article 97 for the use of conservation. The Paines Hill tank site is bordered by the Highland Street Forest, the Cat Rock tank site is bordered by the Cat Rock & 80 Acres conservation land, and the Doublet Hill tank site is bordered by the Doublet Hill conservation area. All three conservation areas are popular recreational areas used primarily for hiking. Due to the small size of the existing tank parcels, the replacement tanks will need to be constructed on adjacent properties. It is proposed that the new tanks be constructed on abutting Article 97 land since the existing tanks must remain in service during construction to maintain water service to the town. Removal of the existing tank prior to the construction of the new tank would leave the system and community highly vulnerable, unable to meet peak demands or respond to fire events. Therefore, construction

of the new tanks requires changing the use of a portion of the Article 97 land from “preserved for conservation” to “preserved for water supply.”

For construction of the Paines Hill replacement tank, approximately 1.268 acres of the Highland Town Forest would be changed from conservation use land to water supply use land. Construction of the Cat Rock replacement tank would require changing the use of approximately 1.718 acres of the Cat Rock & 80 Acres conservation area from protected for conservation use to protected for water supply use. For construction of the Doublet Hill replacement tank, approximately 1.515 acres of the Doublet Hill conservation area would be changed from conservation use land to water supply use land.

The replacement tanks will be designed such that they improve the hydraulics of Weston’s water system and provide adequate pressure to homes and fire hydrants in accordance with regulations and standard water system engineering practice. Improving the system’s hydraulics requires replacing the existing tanks with tanks that are higher, so that water can be stored at a high enough elevation to provide the volume of water that is needed for daily and emergency use, and to provide adequate pressure to residents. The addition of active storage would reduce pump run time to normal durations, improve service reliability, improve operational flexibility, and improve firefighting capabilities.

2. List anticipated MEPA review thresholds (301 CMR 11.03) (if known)

- 301 CMR 11.03(1)(b)(3) – ENF and Other MEPA Review if the Secretary So Requires – Disposition or change in use of land or an interest in land subject to Article 97 of the Amendments to the Constitution of the Commonwealth, unless the Secretary waives or modifies the replacement land requirement pursuant to section 5A of chapter 3 of the Massachusetts General Laws and its implementing regulations
- 301 CMR 11.03(12)(b) – ENF and Other MEPA Review if the Secretary So Requires – Promulgation of New or revised regulations – Section 58 of the Climate Roadmap Act requiring an EIR since the project is located within 1 mile of an EJ population

3. List all anticipated state, local and federal permits needed for the project (if known)

Anticipated State Permits:

- MEPA: Environmental Notification Form and Environmental Impact Report
- WS 32: Distribution Modifications for Systems that serve more than 3,300 people

Anticipated Local Permits:

- Board of Health New Construction Permit
- Board of Health Demolition Permit

4. Identify EJ populations and characteristics (Minority, Income, English Isolation) within 5 miles of project site (can attach map identifying 5-mile radius from [EJ Maps Viewer](#) in lieu of narrative)

Please refer to the attached maps. EJ communities within 5 miles of any one of the project’s three sites are located within Waltham, Arlington, Belmont, Lexington, Bedford, Lincoln, Watertown, Newton, Natick, Framingham, and Wellesley. EJ characteristics include communities of color, English isolation, and/or income.

5. Identify any municipality or census tract meeting the definition of “vulnerable health EJ criteria” in the [DPH EJ Tool](#) located in whole or in part within a 1 mile radius of the project site

There are no block groups within a 1-mile radius of the project sites that meet the vulnerable health EJ criteria. It is noted that census tract 3683 is shown as meeting the vulnerable health EJ criteria for

low birth rate and lead poisoning but the data for low birth rate is considered by Massachusetts Department of Public Health (MA DPH) to be “not statistically significantly different” and “unstable” while the data for lead poisoning is “not statistically different” and “stable.”

6. Identify potential short-term and long-term environmental and public health impacts that may affect EJ Populations and any anticipated mitigation

Short-term environmental and public health impacts will be related to increased traffic to and from the site during construction. However, the site entrances are located in Weston and increased traffic in Waltham is not anticipated. Once construction is complete, traffic at the tank sites will be consistent with their current levels. Short-term impacts will be minimized where feasible.

Long-term impacts that may affect EJ Populations will be related to the loss of a portion of conservation land. Cat Rock & 80 Acres conservation area, Doublet Hill conservation area, and the Highland Street Forest are protected spaces open to the public primarily for hiking. The access driveways for the water tanks on each site also serve as access ways to the hiking trail system. Hiking trails through the existing and new tank sites will be re-routed by the Town of Weston Conservation Commission as needed. Construction of each tank will require tree clearing at the new sites. Users of these recreational spaces, including residents of Weston, will be impacted. This acquisition of protected recreational spaces will be mitigated by an Article 97 Land Swap such that an area of currently unprotected land equal or greater in value of three proposed tank sites will be rendered protected for conservation use.

No other environmental or public health impacts that may impact EJ Populations are anticipated.

7. Identify project benefits, including “Environmental Benefits” as defined in 301 CMR 11.02, that may improve environmental conditions or public health of the EJ population

The EJ populations in Waltham are not served by the Weston water system. However, as noted above, additional land will be put into conservation status as an Article 97 land swap that will be open to the community of Waltham.

8. Describe how the community can request a meeting to discuss the project, and how the community can request oral language interpretation services at the meeting. Specify how to request other accommodations, including meetings after business hours and at locations near public transportation.

The community may contact the Owner’s representative, Elizabeth Doerfler of Wright-Pierce at elizabeth.doerfler@wright-pierce.com, to schedule community meetings if requested. Meetings will be coordinated with community groups to ensure they are held at accessible locations and times and/or through videoconference if requested. Accommodation for language interpretation will be made if requested.

环境正义筛查表

项目名	Weston 储水罐更换项目
预计在MEPA备案日期	2025年11月24日
支持者姓名	Weston镇公共工程部,供水科
联系人信息（例如顾问）	Elizabeth Doerfler; Email: elizabeth.doerfler@wright-pierce.com; phone: (860) 852-1922
有关项目的公共网站或可以获得项目相关资料的其他实际地点（如果有的话）	https://www.weston.org/1828/Proposed-Water-Tank-Replacement-Project
项目所在的市镇和邮政编码（如果知道）	78 Blanchard Road Suite 404, Burlington, MA 01803
项目类型*（请列出所有适用的）	供水 — 处理/输送
项目地点是否在百年FEMA洪灾平原区地图范围内？ 是/否/未知	否
空调空间的温室气体排放量估算 (点击此处获取温室气体估算工具)	不适用——无调节空间

有关项目的描述

1.	提供简短的项目描述，包括项目场地的总体规模以及拟建建筑物和结构的平方英尺（如果知道的话）。 该项目包括更换三座现役水储罐:Paines Hill、Cat Rock 和 Doublet Hill,分别建于1953年、1946年和1931年。这些储罐已接近或超过其使用寿命,需予以更换。
2.	列出预期的MEPA审查阈值 (根据301 CMR 11.03条规)（如果知道的话） 301 CMR 11.03(1)(b)(3)——如秘书要求则需 ENF 及其他 MEPA 审查——根据马萨诸塞州宪法第97号修正案受第97号法案保护土地的处置或用途变更,除非秘书根据马萨诸塞州普通法第3章第5A节及其实施条例豁免或修改替代土地的要求 301 CMR 11.03(12)(b)——如秘书要求则需 ENF 及其他 MEPA 审查——根据气候路线图 法案第58节,项目位于环境正义(EJ)群体1英里范围内须提交环境影响报告(EIR)
3.	列出项目所在州、地方和联邦预期需要的许可证（如果知道的话） - MEPA:环境通知表和环境影响报告 - WS 32:为服务超过3,300人的系统进行分配更改 预计地方许可: - 卫生局新建许可 - 卫生局拆除许可
4.	请指认项目现场5英里内的环境正义人口和特征（少数民族、收入、英语隔离）（可以附上EJ Maps Viewer 5英里半径的地图并指认来代替需要的叙述） 请参见所附地图。项目三个储罐任一地点5英里范围内的EJ社区。

5.	在 DPH环境正文工具 中确定全部或部分位于项目场地1英里半径内的任何符合“弱势健康环境正文标准”定义的城市或人口普查区 这些休闲空间的使用者,包括Weston的居民,将受到影响。通过第97号法案土地交换,将获得等值甚至更大价值的受保护土地,以用于自然保护,从而减轻受影响的受保护休闲用地影响。
6.	请确定项目益处, 包括 301 CMR 11.02 中定义的“环境效益”, 这可能会改善环境正义人口的环境条件或公共健康
7.	Waltham的EJ群体无法受益于Weston供水系统。但如前所述,额外的土地将在第97号法案土地交换后,作为自然保护地对Waltham社区开放。
8.	描述社区如何要求召开会议讨论项目, 以及社区如何在会议上要求口语翻译服务。请指定如何要求获得其他通融条件, 包括在工作时间后和在公共交通附近的地点开会。 社区可联系业主代表Elizabeth Doerfler (elizabeth.doerfler@wright-pierce.com)要求安排社区会议。会议将与社区团体协调,确保在可达且便利的地点和时间召开,并在有需要时通过视频会议举行。如有需求,将提供语言翻译服务。如需其他便利措施,包括在下班后或临近公共交通的地点开会,亦可提出申请。

*环保部项目类型 [注: 本表在传阅时可省略。]

第九十七条	大麻
农业	海洋工业
飞机场	总体规划——发展
水产养殖/贝类	总体规划 - 城市更新计划
海滩/沿海营养	其他说明)
沿海基础设施	娱乐
商业 - 办公室/实验室/研发	法规
商业 - 酒店	整治
商业 - 仓库	住宅
商业-零售	回弹性
大坝拆除	固体废物
大坝维修/更换	交通——公路/交通
疏浚	交通 - 漫步道
生态修复	废水 - 处理/输送
能源生产	废水 - 综合废水管理计划
储能	供水 - 新水源
能量传输	供水 - 处理/输送
工业的	
机构 - 教育	

ADDITIONAL PROJECT INFORMATION

Public Notice for Environmental Justice (EJ) Populations

The following project notification and summary is being provided since the project falls within 1-mile radius of the following communities (block groups) in Waltham.

- Block Group 3 in Census Tract 3682,
- Block Group 4 in Census Tract 3683,
- Block Group 2 in Census Tract 3684,
- Block Group 6 in Census Tract 3684.

Advance public notification is provided to EJ populations located within 1-mile radius of this project to ensure they have an opportunity to review the documentation and provide comment to the Executive Office of Energy and Environmental Affairs (EEA).

The project is located within 1 mile of a community where the Chinese language is spoken by 5% or more of the residents who identify as having limited English proficiency. Therefore, English and Chinese are used for public involvement activities.

Project Description

The Project consists of the replacement of three existing water storage tanks in the Town of Weston with three new tanks. The new tanks will replace aged infrastructure with new tanks having increased volume and overflow elevations to provide improved water service conditions and needed fire flow to the Weston water distribution system. Due to the small size of the existing tank site parcels and the need to maintain the existing tanks in service during construction, it is proposed that portions of adjacent conservation land protected by Article 97 be transferred to water supply land protected under Article 97 to allow for construction of the new tanks at each location. Approximately 4.501 acres of Article 97 is proposed for change-in-use. As such, an equivalent area of land that is not currently subject to Article 97 will be swapped. See enclosed Figure for project locations.

In addition to the replacement of the water storage tanks, other system improvements will be needed including upgrades to the existing Wellesley Street pumping system, installation of a new water main to serve the new Cat Rock tank and pressure-reducing valves in select areas of the system to maintain pressures in lower elevations to manageable levels.

The project will result in a slight reduction in the size areas of the Highland Town Forest (less 1.27 acres), Cat Rock and 80 Acres Conservation Area (less 1.72 acres), and Doublet Hill Conservation Area (less 1.52 acres). The replacement tanks were sited such that they minimize if not avoid impacts to important features of these parks including the Cat Rock lookout point and the Doublet Hill peaks. Hiking trails which currently traverse the existing and proposed tank sites will be re-routed to accommodate construction. Following completion of the new tanks and demolition of the old tanks, hiking paths will be replaced or rerouted outside of the secured, fenced area immediately around the new tanks.

Construction of the tanks will require clearing trees and vegetation within the footprint of the new tank, for the new accessways, and in a buffer area around the new tank to allow for crane access during construction and future maintenance. Additional areas around the tank will need to be temporarily cleared of trees to provide a laydown area during construction. The laydown area will be reforested once construction is completed.

The new tanks and related projects will not increase traffic in Weston and neighboring communities (such as Waltham) following construction activities.

Due to the reduction in conservation area for the new water storage tanks, a replacement land is required to be placed in conservation status for the public's use. The land swap parcel identified is a portion of Parcel 9 of the Case Estates located off Ash Street in Weston. The replacement land identified is equal in acreage to the conservation land being taken for construction of the water storage tanks at approximately 4.5 to 5.0 acres. The replacement land is of greater value in regard to monetary value and equal in natural resource value. The Town established a trail through Parcel 9 to connect Weston's Legacy Trail to Ash Street which will connect to the Ash Street Reservoir trail system. Parcel 9 is approximately 1.35 miles from the closest EJ community and the trail system will be open to residents and non-residents alike.

附加项目信息

针对环境正义（EJ）群体的公众通知

由于该项目位于以下位于 Waltham 的社区（分块组）1 英里半径范围内，因此我们发布了该项目信息和摘要：

- 第 3682 号普查区的第 3 块分组，对应社区
- 第 3683 号普查区的第 4 块分组，对应社区
- 第 3684 号普查区的第 2 块分组，对应社区
- 第 3684 号普查区的第 6 块分组，对应社区

我们向上述 1 英里范围内的 EJ 群体提前发布公共通知，以确保他们有机会查阅相关文件，并向能源和环境事务执行办公室（EEA）提供意见。

该项目位于一个 5%或以上人口自认英语能力有限且以中文为主要语言的社区 1 英里范围内。因此，项目在公众参与活动中使用英文和中文。

项目说明

本项目包括在 Weston 镇更换三座现有的蓄水罐，新蓄水罐将替换老化的基础设施，并且会增加蓄水量和溢流高度，以改善 Weston 镇供水系统的服务能力和消防水流需求。由于现有蓄水罐基地过小且需在施工期间保持现有水罐运行，因此提议将部分受 Article 97 保护的临近保护地转为受 Article 97 保护的供水用地，以便在各自位置建设新的水罐。预计约有 4.501 英亩的 Article 97 土地将改变用途。作为交换，一块面积等同且目前不受 Article 97 保护的土地将被纳入保护。详见随附项目位置图。

除了更换水罐外，系统还将进行其他升级，包括现有 Wellesley Street 泵站系统升级、为 Cat Rock 新建水罐安装新的供水主管，并在系统中部分区域安装减压阀，以便在地势较低区域维持适当水压。

补偿用地安排

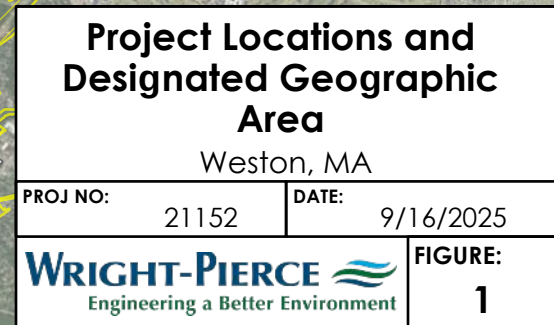
由于新水罐建设会减少部分自然保护区面积，因此需要划拨替代土地作为公共保护地。拟作为置换用地的是 Weston 镇 Ash 街 Case Estates 第 9 号地块的一部分，面积也约为 4.5 至 5.0 英亩。该替代地块在经济价值上更高，自然资源价值相当。镇政府已在第 9 号地块开辟了一条小径，连接 Weston 的遗产步道至 Ash 街，并将与 Ash 街水库步道系统相连。第 9 号地块距离最近的 EJ 社区约 1.35 英里，步道系统将对所有居民和非居民开放。

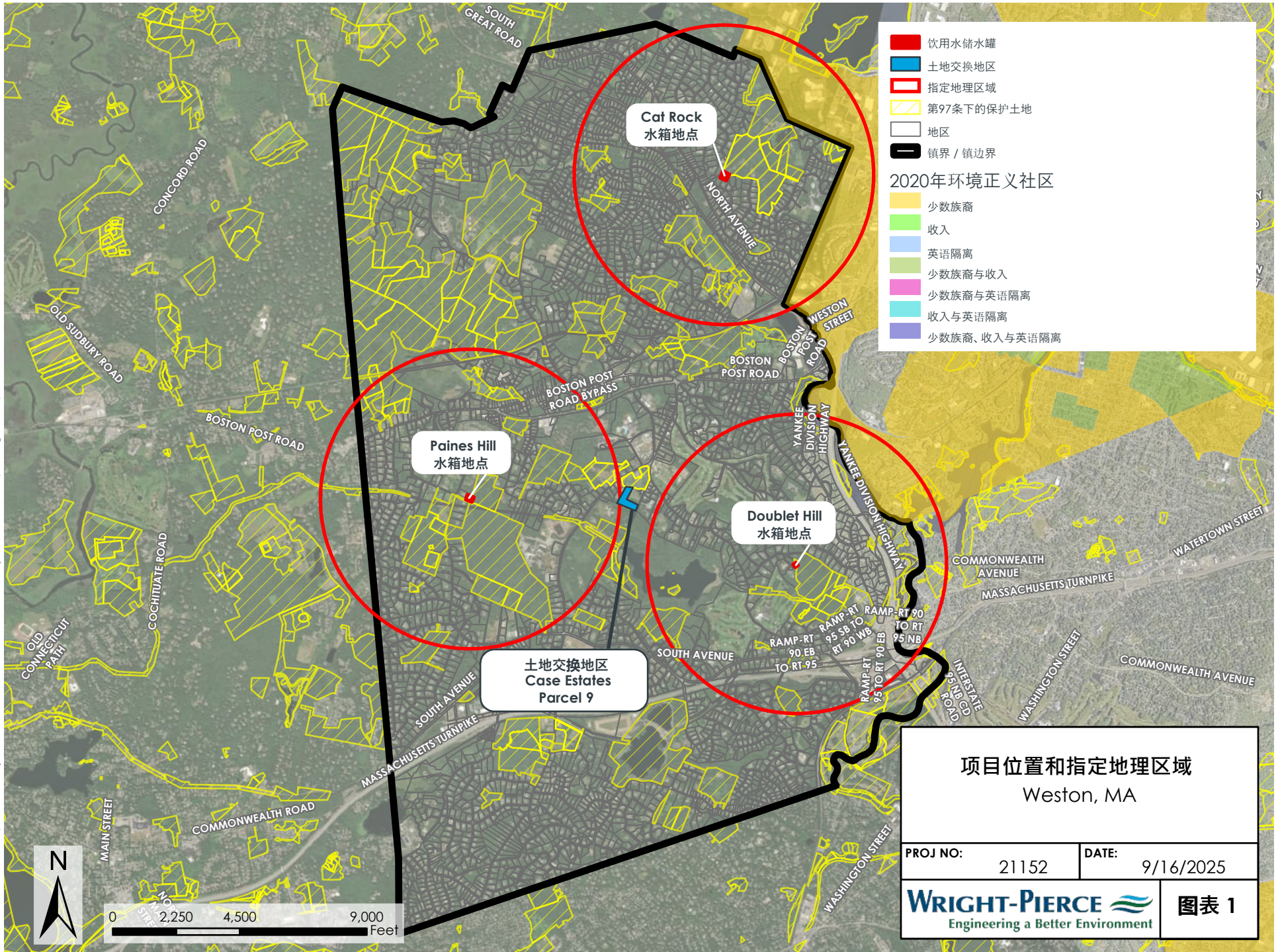
对保护区和周边的影响

本项目将导致高地镇森林减少 1.27 英亩、Cat Rock 与 80 亩保护区减少 1.72 英亩，以及 Doublet Hill 保护区减少 1.52 英亩。新水罐选址尽量减少甚至避免了对这些公园主要景点（如 Cat Rock 观景点和 Doublet Hill 峰顶）的影响。穿越现有与新罐址的徒步小径将进行调整以配合施工。待新罐建设完成且旧罐拆除后，登山步道将移至新水罐围栏以外，并重新设置。

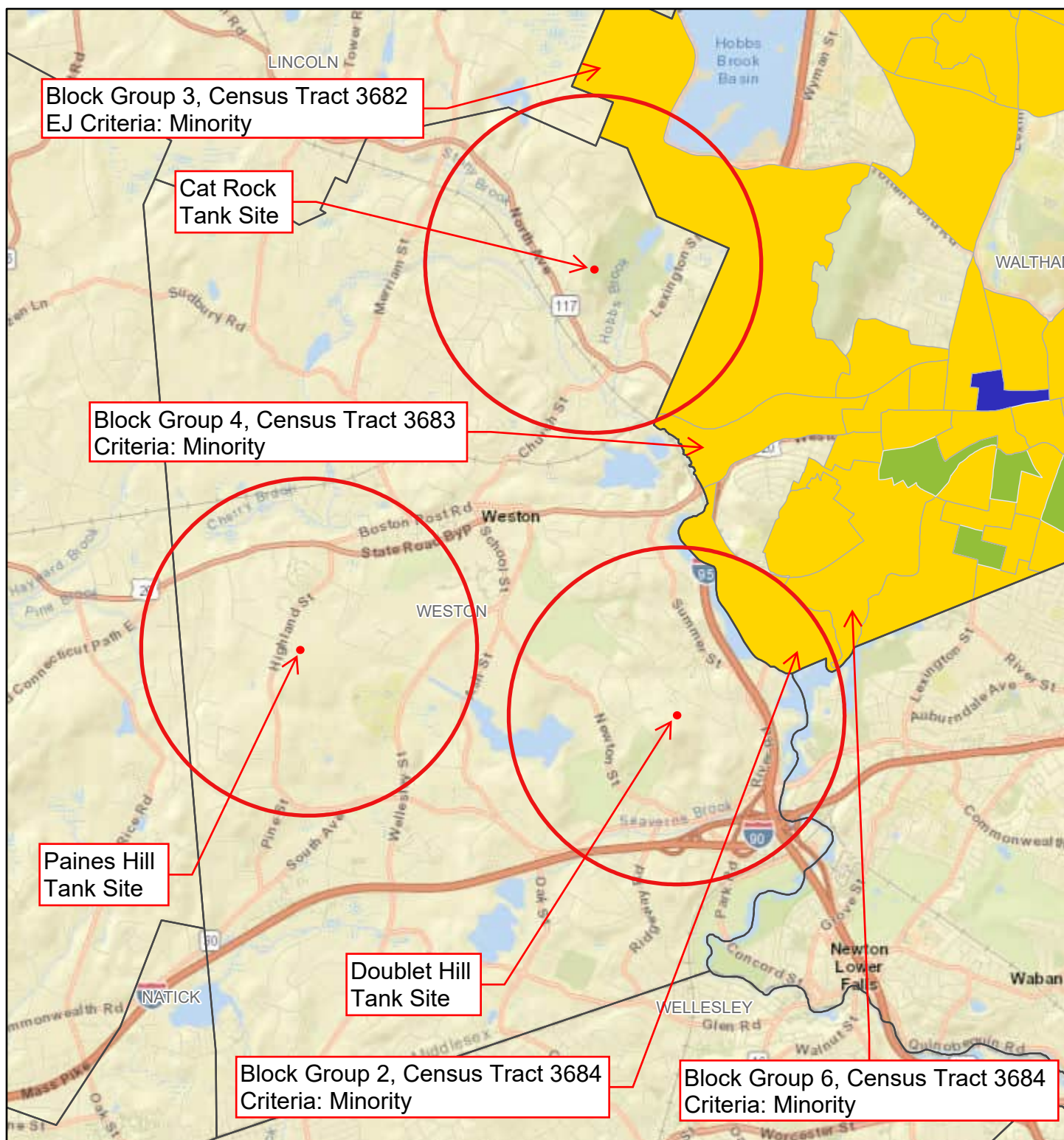
修建新罐需要清除新罐区、通道及新罐周边的树木和植被，以便施工中的吊车进入及今后维护。同时还需临时清除部分区域作为施工堆放场地，工程完成后该区域将重新造林。

项目相关设施建成后，不会增加 Weston 及邻近社区（如 Waltham）的交通流量。





2020 Environmental Justice Neighborhoods within 1-mile Radius of All Sites



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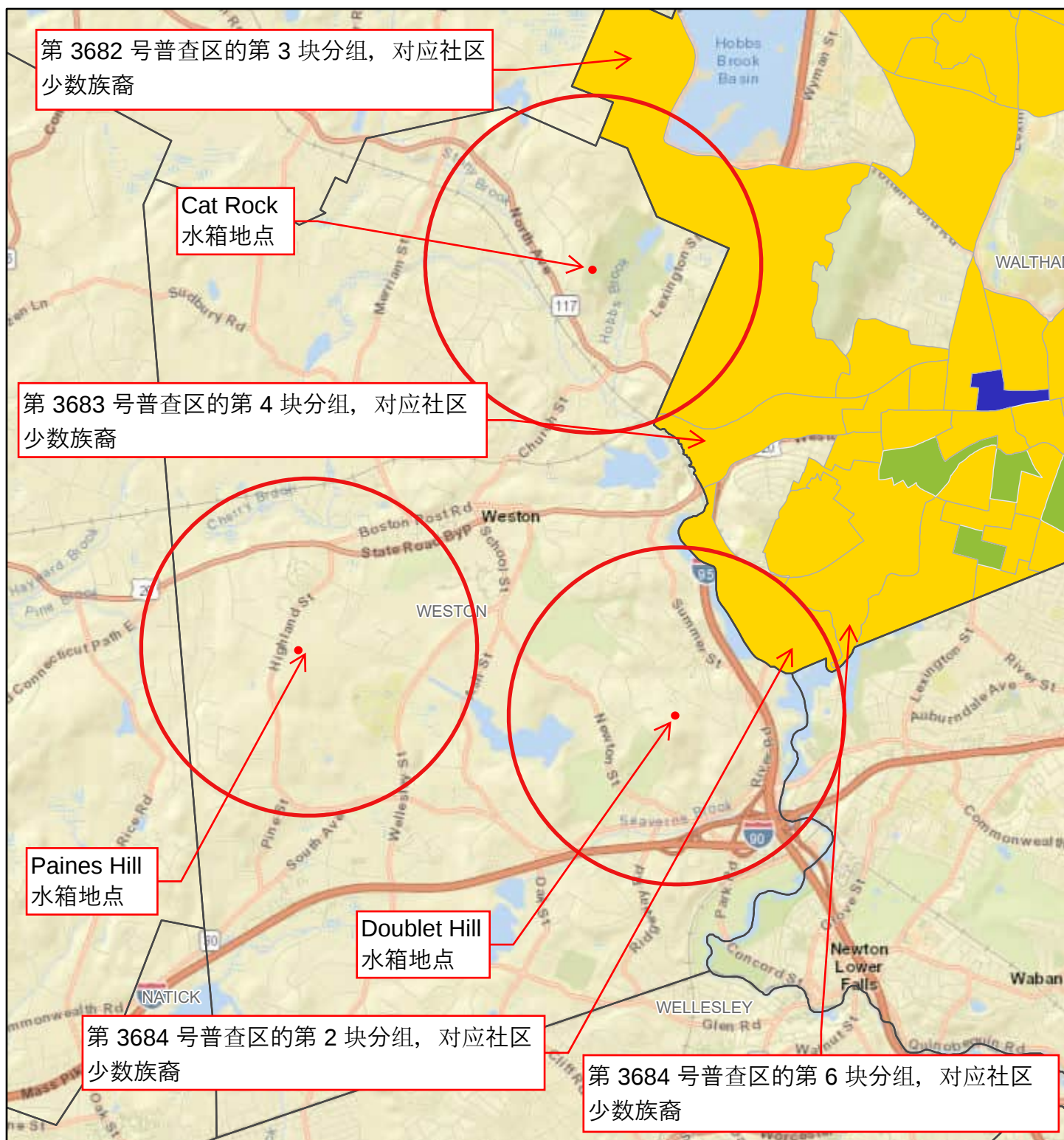
Override 1
MA 2020 Environmental Justice Block Groups
Minority: the block group minority population is >= 40%, or the block group minority population is >= 25% and the median household income of the municipality the block group
Minority and Income
Minority, Income and English isolation

1:72,224
0 0.45 0.9 1.8 mi
0 0.75 1.5 3 km

City of Waltham, Esri, HERE, Garmin, INCREMENT P, NGA, USGS

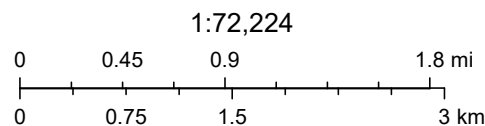
These data were obtained from <https://www.mass.gov/info-details/massgis-data-2020-environmental-justicepopulations>.

2020年环境正义社区（1英里半径范围内的所有地点）



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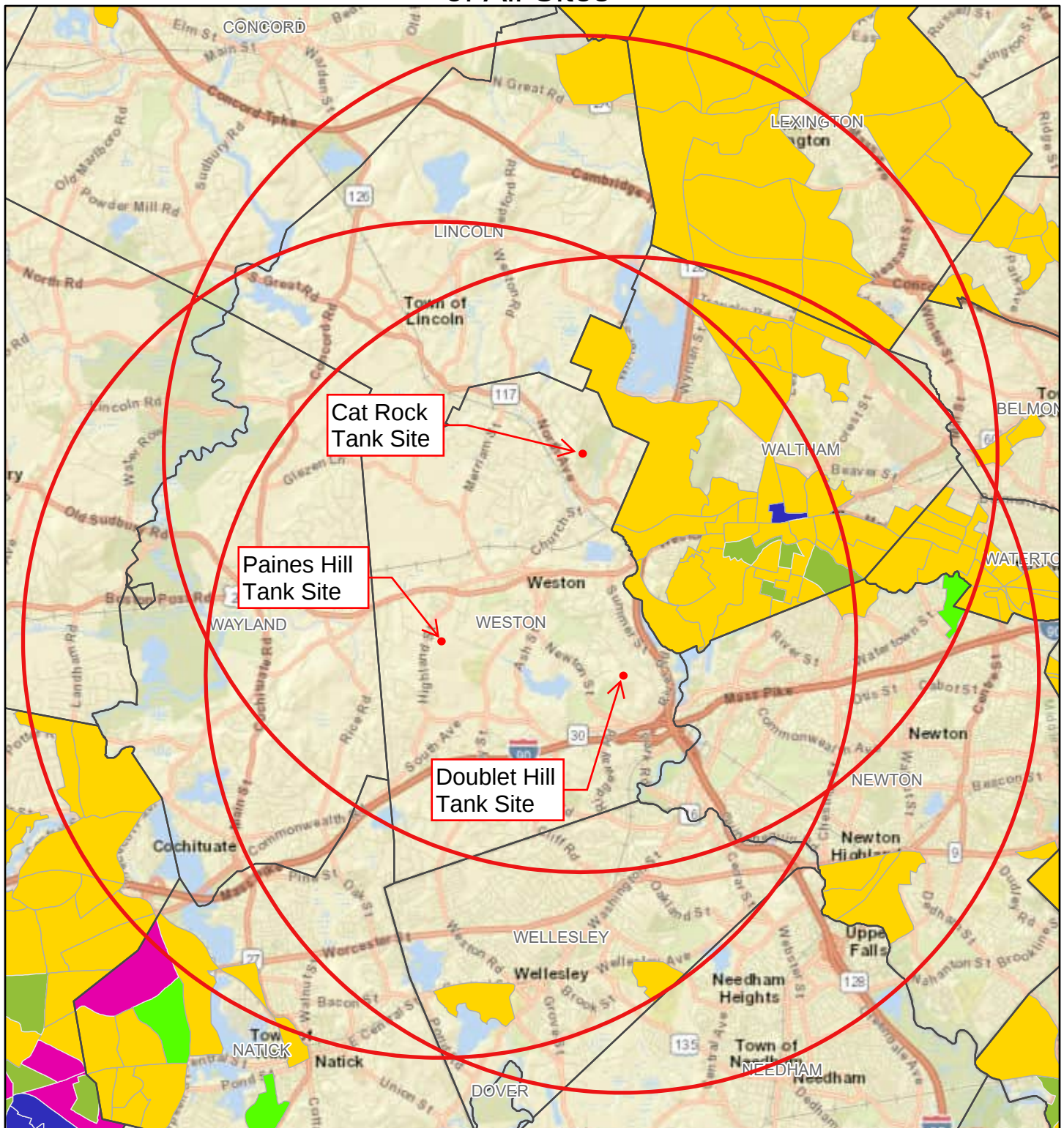
- 1英里半径
- 少数族裔
- 少数族裔与收入
- 少数族裔、收入与英语隔离



City of Waltham, Esri, HERE, Garmin, INCREMENT P, NGA, USGS

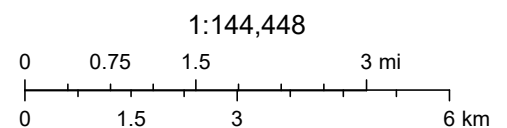
这些数据来源于 <https://www.mass.gov/info-details/massgis-data-2020-environmental-justicepopulations>.

2020 Environmental Justice Neighborhoods within 5-mile Radius of All Sites



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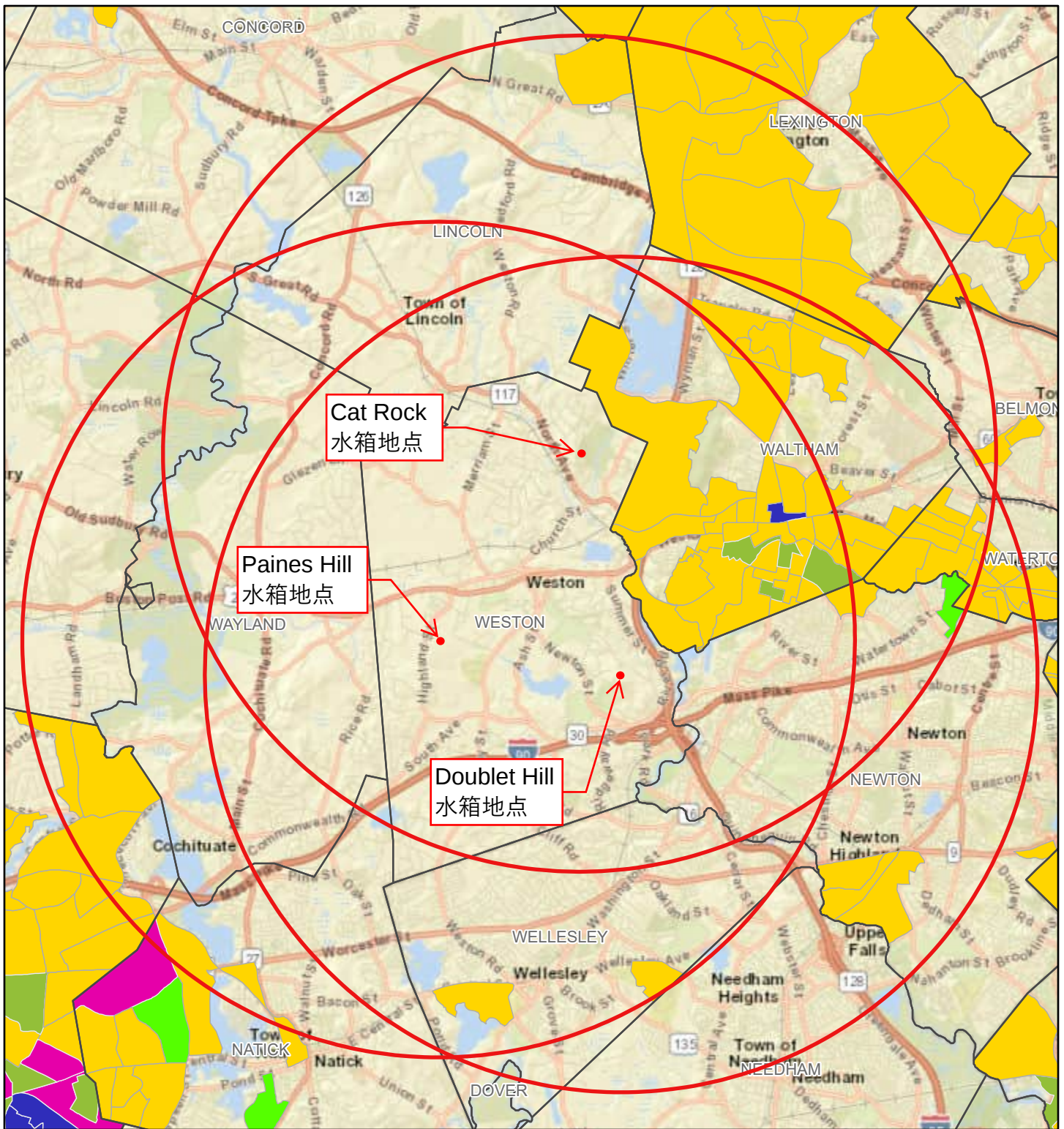
— 5-Mile Radius
 MA 2020 Environmental Justice Block Groups
■ Minority: the block group minority population is $\geq 40\%$, or the block group minority population is $\geq 25\%$ and the median household income of the municipality the block group
■ Income: the block group median household income is 65% or less than the state median household income
■ Minority and Income
■ Minority and English isolation
■ Income and English isolation
■ Minority, Income and English isolation



Esri, HERE, Garmin, NGA, USGS, NPS

These data were obtained from <https://www.mass.gov/info-details/massgis-data-2020-environmental-justicepopulations>.

2020年环境正义社区（5英里半径范围内的所有地点）

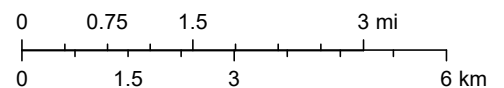


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- 5英里半径
- 少数民族
- 收入
- 少数民族与收入
- 少数民族与英语隔离
- 收入与英语隔离
- 少数民族、收入与英语隔离

这些数据来源于 <https://www.mass.gov/info-details/massgis-data-2020-environmental-justicepopulations>.

1:144,448



Esri, HERE, Garmin, NGA, USGS, NPS