

# MOSCOW TREE COMMISSION



Mark Heinlein  
Harvest Park Subcommittee  
Chair

Harvest Park Subcommittee  
Regular Meeting  
~Agenda~

David Schott  
Staff Liaison  
208.883.7098

tree@ci.moscow.id.us

<https://www.ci.moscow.id.us/557/Tree-Commission>

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Wednesday  
July 12, 2023

3:00 PM

Mayors Conference Room  
206 E 3rd Street

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## WELCOME AND ATTENDANCE

## REGULAR AGENDA

**1. Approval of the Harvest Park Subcommittee May 10, 2023 Minutes (ACTION ITEM) – Mark Heinlein**

Presentation of minutes for approval.

**PROPOSED ACTIONS:** Approve minutes as presented; approve minutes with amendments; or provide staff further direction.

**2. Public Comment and Response to Previous Comments (limited to 15 minutes)**

Members of the public may speak to the Subcommittee regarding matters NOT on the agenda or currently pending before the Subcommittee. Please state your name and city of residence for the record and limit your remarks to three (3) minutes.

**3. Consideration of Soils Testing Results Provided by the University of Idaho (ACTION ITEM) – Mark Heinlein / David Schott**

The Harvest Park Subcommittee will discuss the soil analysis results. The subcommittee will discuss options to promote soil health in preparation for edible plants.

**PROPOSED ACTIONS:** Approve actions to increase soil health for Harvest Park; or take other such action deemed appropriate.

**4. Consideration of 2023 Harvest Park Projects (ACTION ITEM) – Mark Heinlein / David Schott**

The water booster station located on Harvest Park adjacent to Southview Avenue is currently under construction. The City anticipates phase 1 infrastructure improvements to the park to begin in FY2024 after completion of the water booster station. The City has money allocated in the FY2023 budget to mitigate soil conditions detrimental to edible plants. This funding also includes a cover crop, trees, and shrubs. To date, a spring cover crop was put down in late April. The Bee City USA Subcommittee has also been discussing their 2023 project located in the dog leg of Harvest Park for pollinators.

**PROPOSED ACTIONS:** Approve 2023 projects for Harvest Park; or take other such action deemed appropriate.

## REPORTS

## **UPCOMING EVENTS / MEETINGS**

Next Harvest Park Subcommittee meeting is September 13, 2023 from 3:00 p.m. to 4:30 p.m. in the Mayor's Conference Room at City Hall.

## **ADJOURN**

**NOTICE:** It is the policy of the City of Moscow that all City-sponsored public meetings and events are accessible to all people. If you need assistance in participating in this meeting or event due to a disability under the ADA, please contact the City's ADA Coordinator by phone at (208) 883-7600, TDD (208) 883-7019, or by email at [adacoordinator@ci.moscow.id.us](mailto:adacoordinator@ci.moscow.id.us) at least 48 hours prior to the scheduled meeting or event to request an accommodation. The City of Moscow is committed to ensuring that all reasonable accommodation requests are fulfilled.

# MOSCOW TREE COMMISSION



Mark Heinlein  
Harvest Park Subcommittee  
Chair

Harvest Park Subcommittee  
Regular Meeting  
~Minutes~

David Schott  
Staff Liaison  
208.883.7098

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<https://www.ci.moscow.id.us/557/Tree-Commission>

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Wednesday  
May 10, 2023

3:00 PM

Mayors Conference Room  
206 E 3rd Street

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**The meeting was called to order at 3:00 PM**

**PRESENT:** Mark Heinlein; Chair, Zena Hartung; Vice Chair, Iris Mayes, Tim Steury, Suvia Judd

**STAFF:** David Schott; Melissa Fisher

## REGULAR AGENDA

**1. Approval of the Harvest Park Subcommittee February 8, 2023 Minutes (ACTION ITEM) – Mark Heinlein**

Presentation of minutes for approval.

**PROPOSED ACTIONS:** Approve minutes as presented; approve minutes with amendments; or provide staff further direction.

Steury moved to approve the minutes as presented. Mayes seconded. Roll call vote: Ayes: unanimous. Motion carried.

**2. Public Comment and Response to Previous Comments (limited to 15 minutes)**

None.

**3. Consideration of Soils Testing by the University of Idaho (ACTION ITEM) – Mark Heinlein / David Schott**

The Harvest Park Subcommittee will discuss the soil analysis details prior to samples being taken and sent to the University of Idaho Analytical Sciences Laboratory for analysis. This will include what to test and testing sites based on topography.

**PROPOSED ACTIONS:** Approve the details of the soil analysis; or take other such action deemed appropriate.

Judd and Mayes suggested expanding Harvest Park' zone 2. Mayes also recommended gathering a soil sample from approximately 12 inches below the soil, in order to obtain the most accurate reading. Heinlein moved to gather soil samples from zones 1-4. Judd seconded. Roll call vote. Ayes: unanimous. Motion carried.

**4. Consideration of 2023 Harvest Park Projects (ACTION ITEM) – Mark Heinlein / David Schott**

The water booster station located on Harvest Park adjacent to Southview Avenue is currently under construction. The City anticipates phase 1 infrastructure improvements to the park to begin in FY2024 after completion of the water booster station. The City has money allocated in the

FY2023 budget for a lime application, cover crop, trees, and shrubs. To date, a spring cover crop was put down in late April. The Bee City USA Subcommittee has also been discussing their 2023 project located in the dog leg of Harvest Park for pollinators.

**PROPOSED ACTIONS:** Approve 2023 projects for Harvest Park; or take other such action deemed appropriate.

Schott advised the Harvest Park Booster Station is estimated to be completed in June 2023. Parks staff planted cover crops which included 10 different species of seed. Mayes suggested working on soil preparation, performing soil testing and replacing trees that died. Judd suggested using alternative fruiting trees to add diversity and to incorporate availability for pollinators by planting species such as Serviceberries. Hartung suggested the process of nitrogen fixation. Heinlein suggested the subcommittee continue to come up with ideas to present at the next meeting. Mayes seconded. Roll call vote. Ayes: Unanimous. Motion carried.

5. **Consideration of Monthly Meetings (ACTION ITEM) – Mark Heinlein / David Schott**  
Currently, the Harvest Park Subcommittee meets quarterly. Based on a discussion at the last regular meeting, the Harvest Park Subcommittee will discuss meeting monthly or continue quarterly meetings.

**PROPOSED ACTIONS:** Approve the meeting schedule for 2023 for the Harvest Park Subcommittee; or take other such action deemed appropriate.

Judd motioned for the Harvest Park Subcommittee to meet bimonthly, with the option of meeting more frequently if needed. Hartung seconded. Roll call vote. Ayes: unanimous. Motion carried.

## REPORTS

1. **Discussion: The Community Food Forest Handbook – All**  
Heinlein felt the handbooks example of Seattle's parks was unrelatable to Moscow's parks, due to the difference in size. Heinlein advised the city of Moscow has several acres to maintain, while Seattle has very small areas to maintain. Judd stated she felt the handbook was encouraging and made her think about how to get the community more involved and what members of the community are likely going to be the ones to assist with park maintenance. Judd gave ideas of having reporters and video documentation to help further reach out to the community. Mayes suggested the Subcommittee start thinking about signage at Harvest Park, and discussed interpretive signs.
2. **Pruning and Training Trees –**  
Judd and Steury advised they would take on the task of pruning trees at Harvest Park. Hartung offered to take photos and videos for documentation purposes.
3. **2023 Spring Projects – Mark Heinlein**  
Heinlein advised he took his daughters high school environmental group out to Harvest park. The students were able to remove some mulch. Heinlein advised that were many plants that have survived and is planning on leading another group to plant perennials in the "Dog Leg" zone.

## UPCOMING EVENTS / MEETINGS

Next Harvest Park Subcommittee meeting is scheduled for July 12, 2023 from 3:00 p.m. to 4:30 p.m. in the Mayor's Conference Room at City Hall.

**The meeting was adjourned at 3:57PM**

# Analytical Sciences Laboratory

## University of Idaho

Holm Research Center

875 Perimeter Dr. MS 2203

Moscow, Idaho 83844-2203

Phone: (208) 885-7081 FAX: (208) 885-8937

email: [asl@uidaho.edu](mailto:asl@uidaho.edu)

<http://www.agls.uidaho.edu/asl/>

### Certificate of Analysis

**Prepared For:** David Schott  
City of Moscow  
1515 East D St.  
PO Box 9203  
Moscow, ID 83843

**Case ID:** SMAY23-021

**Report Date:** 06-Jun-23

**Date Received:** 19-May-23

**Client Ref.:** Bill

**Project ID:**

|                     |                     |
|---------------------|---------------------|
| 1st Level QC: _____ | Date: <u>6/6/23</u> |
| 2nd Level QC: _____ | Date: <u>6-6-23</u> |

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#### Case Comments:

# Analytical Sciences Laboratory

## Certificate of Analysis

**Client SampleID: Zone 1 - Bowl****ASL Sample ID: S2300143**

Site/Location:

Matrix: Solid - Dry Weight

|                                   |                                  |                                   |                          |
|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|
| <b>Available Potassium</b>        | Method: Flame Photometer         | Prep: Na Acetate Extraction       | Analysis Date: 05-Jun-23 |
|                                   | <b>Results</b>                   | RL                                | Pres.: None Filter? N/A  |
| Available Potassium               | 280 µg/g                         | 10                                |                          |
| <b>Available Phosphorus</b>       | Method: Colorimetric, ASA 24-3.4 | Prep: Na Acetate Extraction       | Analysis Date: 05-Jun-23 |
|                                   | <b>Results</b>                   | RL                                | Pres.: None Filter? N/A  |
| Available Phosphorus              | 20 µg/g                          | 0.50                              |                          |
| <b>Available Boron</b>            | Method: Colorimetric, ASA 25-5.2 | Prep: Hot Water Extraction        | Analysis Date:           |
|                                   | <b>Results</b>                   | RL                                | Pres.: None Filter? N/A  |
| Available Boron                   | 0.51 µg/g                        | 0.10                              |                          |
| <b>Nitrogen-Nitrate + Nitrite</b> | Method: Colorimetric, ASA 33-8.3 | Prep: KCl Extractable, ASA 33-3.2 | Analysis Date: 02-Jun-23 |
|                                   | <b>Results</b>                   | RL                                | Pres.: None Filter? N/A  |
| Nitrate-N + Nitrite-N             | 16 µg/g                          | 0.72                              |                          |
| <b>Nitrogen-Ammonium</b>          | Method: Colorimetric, ASA 33-7.3 | Prep: KCl Extractable, ASA 33-3.2 | Analysis Date: 02-Jun-23 |
|                                   | <b>Results</b>                   | RL                                | Pres.: None Filter? N/A  |
| Nitrogen-Ammonia                  | 4.4 µg/g                         | 0.72                              |                          |
| <b>Organic Matter</b>             | Method: Colorimetric             | Prep: Dichromate/H2SO4            | Analysis Date:           |
|                                   | <b>Results</b>                   | RL                                | Pres.: None Filter? N/A  |
| Organic Matter                    | 3.9 %                            | 0.30                              |                          |
| <b>pH</b>                         | Method: Electrode, ASA 12-2.6    | Prep: Saturated Paste             | Analysis Date: #####     |
|                                   | <b>Results</b>                   | RL                                | Pres.: None Filter? N/A  |
| pH                                | 5.5                              | —                                 |                          |
| <b>Sulfate Sulfur</b>             | Method: IC                       | Prep: Ca Phosphate Extr., ASA 28- | Analysis Date:           |
|                                   | <b>Results</b>                   | RL                                | Pres.: None Filter? N/A  |
| Sulfate Sulfur                    | 5.1 µg/g                         | 1.3                               |                          |

**Client SampleID: Zone 2 - Hillside****ASL Sample ID: S2300144**

Site/Location:

Matrix: Solid - Dry Weight

|                             |                                  |                             |                          |
|-----------------------------|----------------------------------|-----------------------------|--------------------------|
| <b>Available Potassium</b>  | Method: Flame Photometer         | Prep: Na Acetate Extraction | Analysis Date: 05-Jun-23 |
|                             | <b>Results</b>                   | RL                          | Pres.: None Filter? N/A  |
| Available Potassium         | 94 µg/g                          | 10                          |                          |
| <b>Available Phosphorus</b> | Method: Colorimetric, ASA 24-3.4 | Prep: Na Acetate Extraction | Analysis Date: 05-Jun-23 |
|                             | <b>Results</b>                   | RL                          | Pres.: None Filter? N/A  |
| Available Phosphorus        | 11 µg/g                          | 0.50                        |                          |
| <b>Available Boron</b>      | Method: Colorimetric, ASA 25-5.2 | Prep: Hot Water Extraction  | Analysis Date:           |
|                             | <b>Results</b>                   | RL                          | Pres.: None Filter? N/A  |
| Available Boron             | 0.33 µg/g                        | 0.10                        |                          |

# Analytical Sciences Laboratory

## Certificate of Analysis

|                                           |                                  |                                   |                          |             |
|-------------------------------------------|----------------------------------|-----------------------------------|--------------------------|-------------|
| <b>Client SampleID: Zone 2 - Hillside</b> |                                  | Site/Location:                    |                          |             |
| <b>ASL Sample ID: S2300144</b>            |                                  | Matrix: Solid - Dry Weight        |                          |             |
| <b>Nitrogen-Nitrate + Nitrite</b>         | Method: Colorimetric, ASA 33-8.3 | Prep: KCl Extractable, ASA 33-3.2 | Analysis Date: 02-Jun-23 |             |
|                                           | <b>Results</b>                   | RL                                | Pres.: None              | Filter? N/A |
| Nitrate-N + Nitrite-N                     | 9.8 µg/g                         | 0.72                              |                          |             |
| <b>Nitrogen-Ammonium</b>                  | Method: Colorimetric, ASA 33-7.3 | Prep: KCl Extractable, ASA 33-3.2 | Analysis Date: 02-Jun-23 |             |
|                                           | <b>Results</b>                   | RL                                | Pres.: None              | Filter? N/A |
| Nitrogen-Ammonia                          | 7.8 µg/g                         | 0.72                              |                          |             |
| <b>Organic Matter</b>                     | Method: Colorimetric             | Prep: Dichromate/H2SO4            | Analysis Date:           |             |
|                                           | <b>Results</b>                   | RL                                | Pres.: None              | Filter? N/A |
| Organic Matter                            | 2.6 %                            | 0.30                              |                          |             |
| <b>pH</b>                                 | Method: Electrode, ASA 12-2.6    | Prep: Saturated Paste             | Analysis Date: #####     |             |
|                                           | <b>Results</b>                   | RL                                | Pres.: None              | Filter? N/A |
| pH                                        | 5.4                              | —                                 |                          |             |
| <b>Sulfate Sulfur</b>                     | Method: IC                       | Prep: Ca Phosphate Extr., ASA 28- | Analysis Date:           |             |
|                                           | <b>Results</b>                   | RL                                | Pres.: None              | Filter? N/A |
| Sulfate Sulfur                            | 4.1 µg/g                         | 1.3                               |                          |             |

|                                         |                                  |                                   |                          |             |
|-----------------------------------------|----------------------------------|-----------------------------------|--------------------------|-------------|
| <b>Client SampleID: Zone 3 - Dogleg</b> |                                  | Site/Location:                    |                          |             |
| <b>ASL Sample ID: S2300145</b>          |                                  | Matrix: Solid - Dry Weight        |                          |             |
| <b>Available Potassium</b>              | Method: Flame Photometer         | Prep: Na Acetate Extraction       | Analysis Date: 05-Jun-23 |             |
|                                         | <b>Results</b>                   | RL                                | Pres.: None              | Filter? N/A |
| Available Potassium                     | 100 µg/g                         | 10                                |                          |             |
| <b>Available Phosphorus</b>             | Method: Colorimetric, ASA 24-3.4 | Prep: Na Acetate Extraction       | Analysis Date: 05-Jun-23 |             |
|                                         | <b>Results</b>                   | RL                                | Pres.: None              | Filter? N/A |
| Available Phosphorus                    | 6.0 µg/g                         | 0.50                              |                          |             |
| <b>Available Boron</b>                  | Method: Colorimetric, ASA 25-5.2 | Prep: Hot Water Extraction        | Analysis Date:           |             |
|                                         | <b>Results</b>                   | RL                                | Pres.: None              | Filter? N/A |
| Available Boron                         | 0.13 µg/g                        | 0.10                              |                          |             |
| <b>Nitrogen-Nitrate + Nitrite</b>       | Method: Colorimetric, ASA 33-8.3 | Prep: KCl Extractable, ASA 33-3.2 | Analysis Date: 02-Jun-23 |             |
|                                         | <b>Results</b>                   | RL                                | Pres.: None              | Filter? N/A |
| Nitrate-N + Nitrite-N                   | 2.1 µg/g                         | 0.72                              |                          |             |
| <b>Nitrogen-Ammonium</b>                | Method: Colorimetric, ASA 33-7.3 | Prep: KCl Extractable, ASA 33-3.2 | Analysis Date: 02-Jun-23 |             |
|                                         | <b>Results</b>                   | RL                                | Pres.: None              | Filter? N/A |
| Nitrogen-Ammonia                        | 5.3 µg/g                         | 0.72                              |                          |             |
| <b>Organic Matter</b>                   | Method: Colorimetric             | Prep: Dichromate/H2SO4            | Analysis Date:           |             |
|                                         | <b>Results</b>                   | RL                                | Pres.: None              | Filter? N/A |
| Organic Matter                          | 1.1 %                            | 0.30                              |                          |             |

# Analytical Sciences Laboratory

## Certificate of Analysis

**Client SampleID: Zone 3 - Dogleg****ASL Sample ID: S2300145**

Site/Location:

Matrix: Solid - Dry Weight

|                |                               |                                   |                         |
|----------------|-------------------------------|-----------------------------------|-------------------------|
| pH             | Method: Electrode, ASA 12-2.6 | Prep: Saturated Paste             | Analysis Date: #####    |
|                | <b>Results</b>                | RL                                | Pres.: None Filter? N/A |
| pH             | 6.4                           | —                                 |                         |
| Sulfate Sulfur | Method: IC                    | Prep: Ca Phosphate Extr., ASA 28- | Analysis Date:          |
|                | <b>Results</b>                | RL                                | Pres.: None Filter? N/A |
| Sulfate Sulfur | 1.8 µg/g                      | 1.3                               |                         |

**Client SampleID: Zone 4 - Peripheral****ASL Sample ID: S2300146**

Site/Location:

Matrix: Solid - Dry Weight

|                            |                                  |                                   |                          |
|----------------------------|----------------------------------|-----------------------------------|--------------------------|
| Available Potassium        | Method: Flame Photometer         | Prep: Na Acetate Extraction       | Analysis Date: 05-Jun-23 |
|                            | <b>Results</b>                   | RL                                | Pres.: None Filter? N/A  |
| Available Potassium        | 200 µg/g                         | 10                                |                          |
| Available Phosphorus       | Method: Colorimetric, ASA 24-3.4 | Prep: Na Acetate Extraction       | Analysis Date: 05-Jun-23 |
|                            | <b>Results</b>                   | RL                                | Pres.: None Filter? N/A  |
| Available Phosphorus       | 6.0 µg/g                         | 0.50                              |                          |
| Available Boron            | Method: Colorimetric, ASA 25-5.2 | Prep: Hot Water Extraction        | Analysis Date:           |
|                            | <b>Results</b>                   | RL                                | Pres.: None Filter? N/A  |
| Available Boron            | 0.42 µg/g                        | 0.10                              |                          |
| Nitrogen-Nitrate + Nitrite | Method: Colorimetric, ASA 33-8.3 | Prep: KCl Extractable, ASA 33-3.2 | Analysis Date: 02-Jun-23 |
|                            | <b>Results</b>                   | RL                                | Pres.: None Filter? N/A  |
| Nitrate-N + Nitrite-N      | 2.1 µg/g                         | 0.72                              |                          |
| Nitrogen-Ammonium          | Method: Colorimetric, ASA 33-7.3 | Prep: KCl Extractable, ASA 33-3.2 | Analysis Date: 02-Jun-23 |
|                            | <b>Results</b>                   | RL                                | Pres.: None Filter? N/A  |
| Nitrogen-Ammonia           | 4.0 µg/g                         | 0.72                              |                          |
| Organic Matter             | Method: Colorimetric             | Prep: Dichromate/H2SO4            | Analysis Date:           |
|                            | <b>Results</b>                   | RL                                | Pres.: None Filter? N/A  |
| Organic Matter             | 2.9 %                            | 0.30                              |                          |
| pH                         | Method: Electrode, ASA 12-2.6    | Prep: Saturated Paste             | Analysis Date: #####     |
|                            | <b>Results</b>                   | RL                                | Pres.: None Filter? N/A  |
| pH                         | 5.6                              | —                                 |                          |
| Sulfate Sulfur             | Method: IC                       | Prep: Ca Phosphate Extr., ASA 28- | Analysis Date:           |
|                            | <b>Results</b>                   | RL                                | Pres.: None Filter? N/A  |
| Sulfate Sulfur             | 2.4 µg/g                         | 1.3                               |                          |

Samples will be discarded one month after date of final report unless otherwise requested