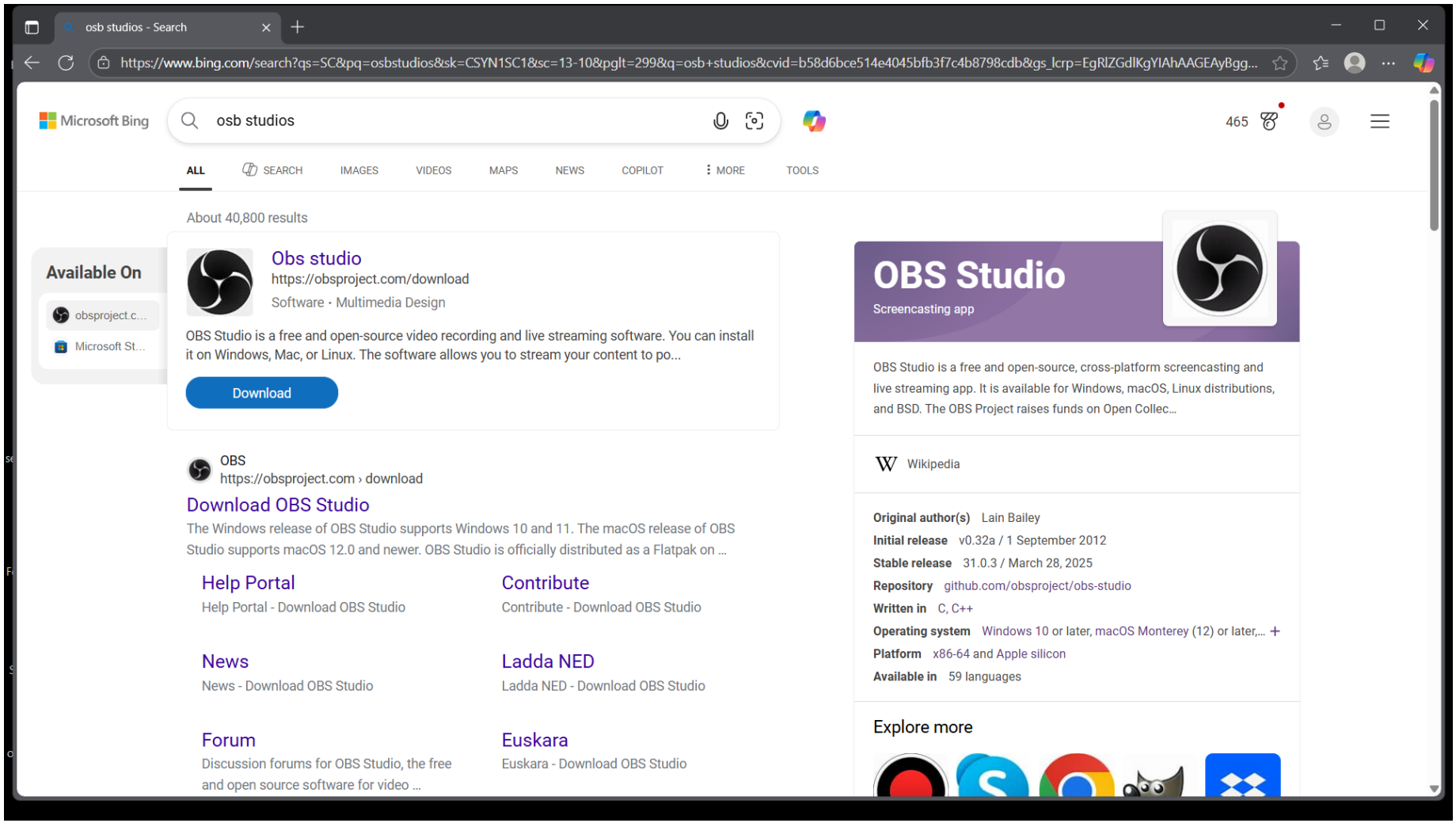
Installing OBS onto your computer for the AquaCam

This is the FIRST of three sets of instructions for your AquaCam. Do NOT plug in your AquaCam yet. That will come with the second set of instructions.

Go to OBS Studios and make sure you are at ....

https://obsproject.com



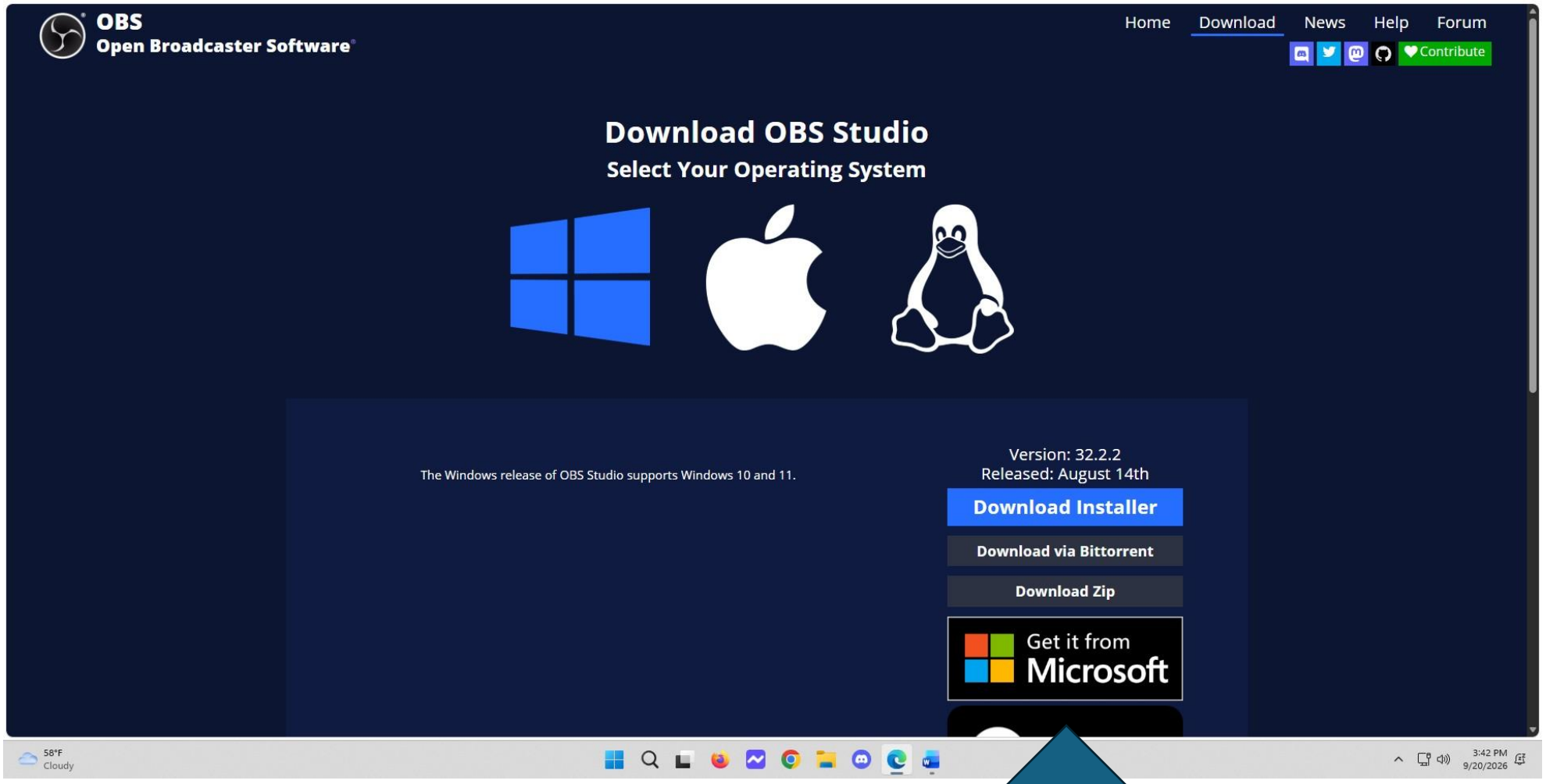
IMPORTANT NOTE ! DO NOT CLICK ON ANYTHING YET.

You do **not** want to download the newest version of this program. The instructions that follow are for the most user-intuitive version (32.0.4), and the most effective for recording high-dev video content. The “look” of this home page will change from time to time but the menu selections will be the same.

The **Home** page will look something like this ....

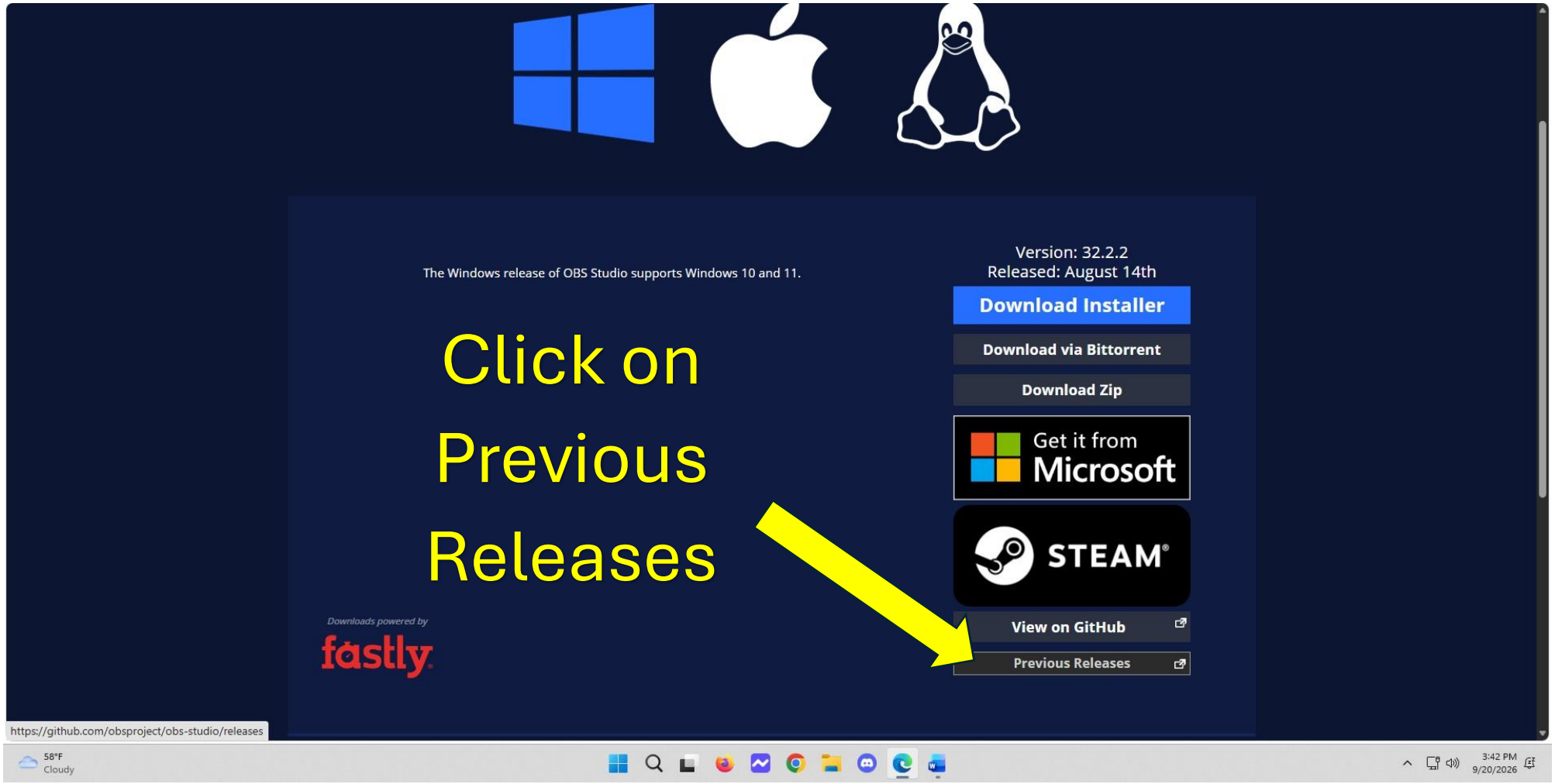


The **Download** page will look like this.

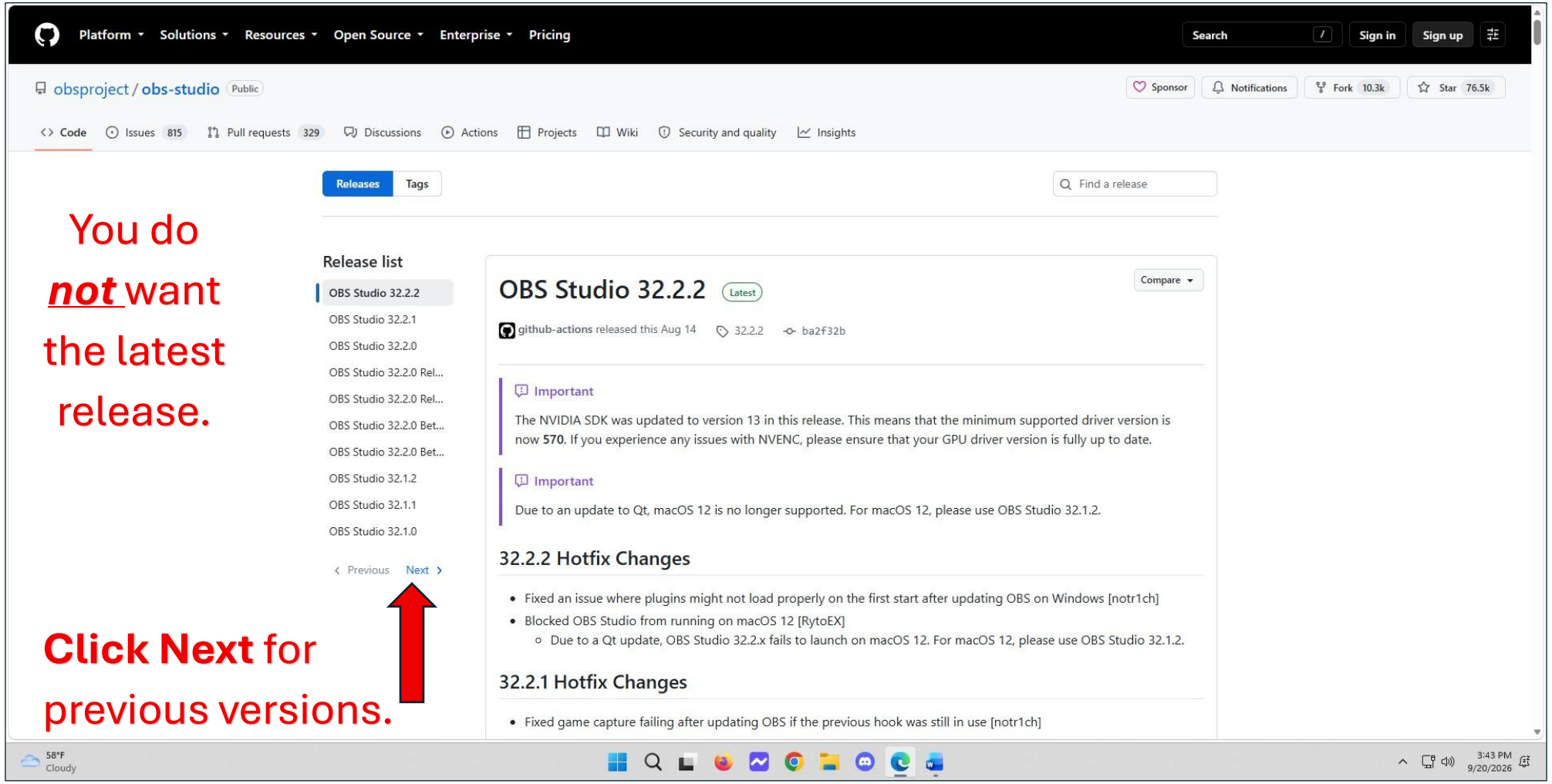


Scroll down the page to get to the bottom of this column.

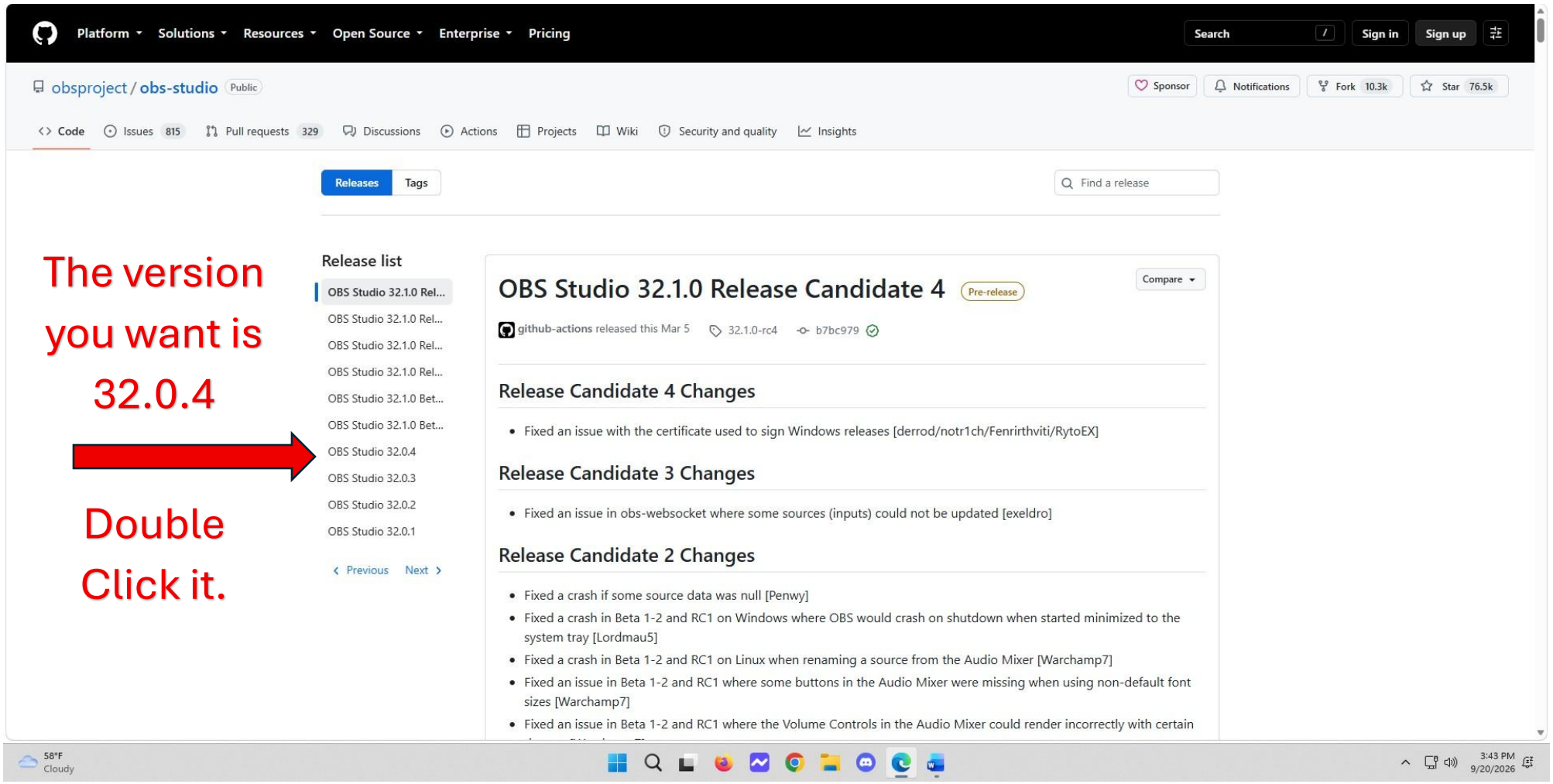
At the bottom of the Download page, click Previous Releases.



Your screen will now look like this. Follow the red instructions.

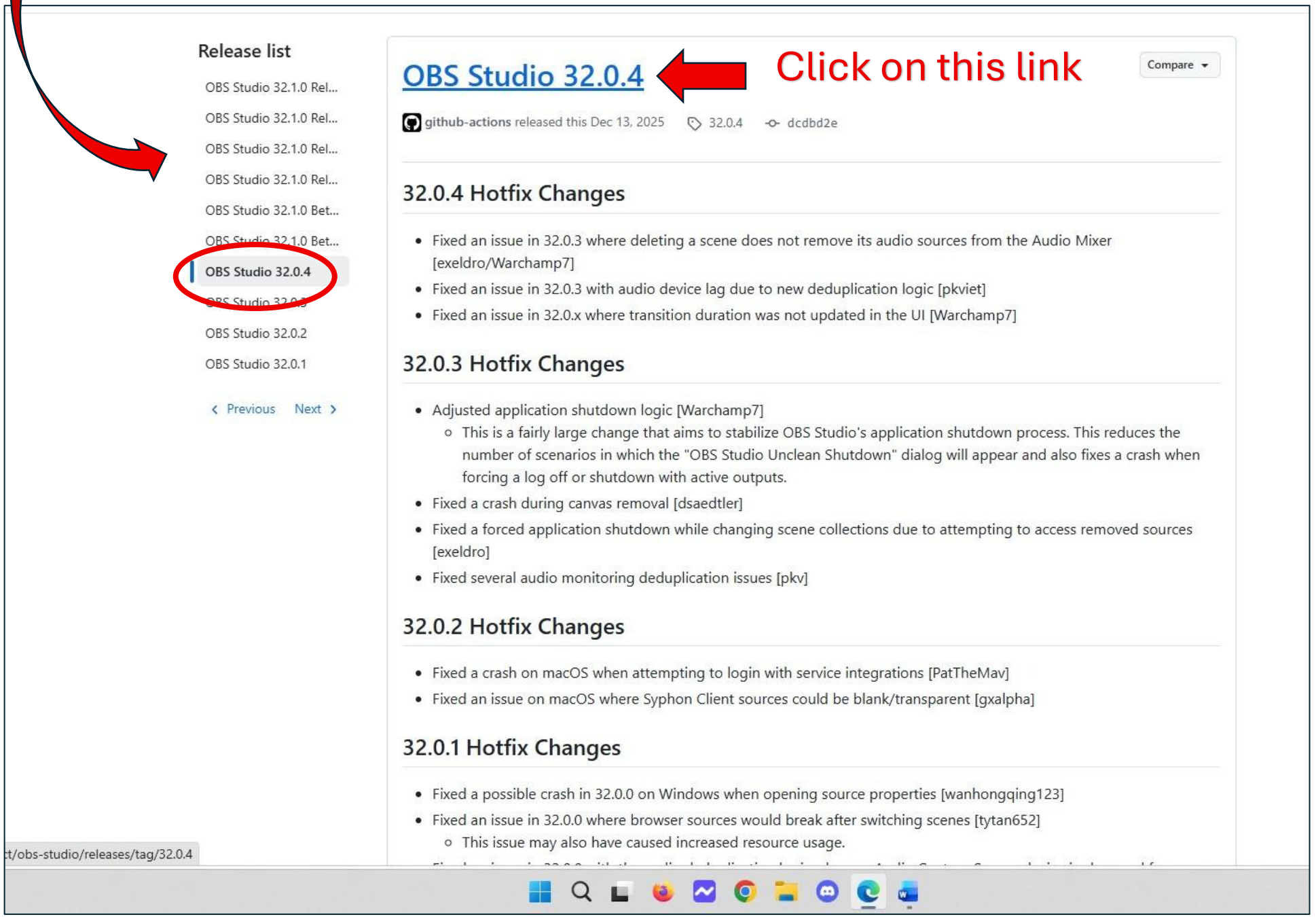


Look for the 32.0 releases.

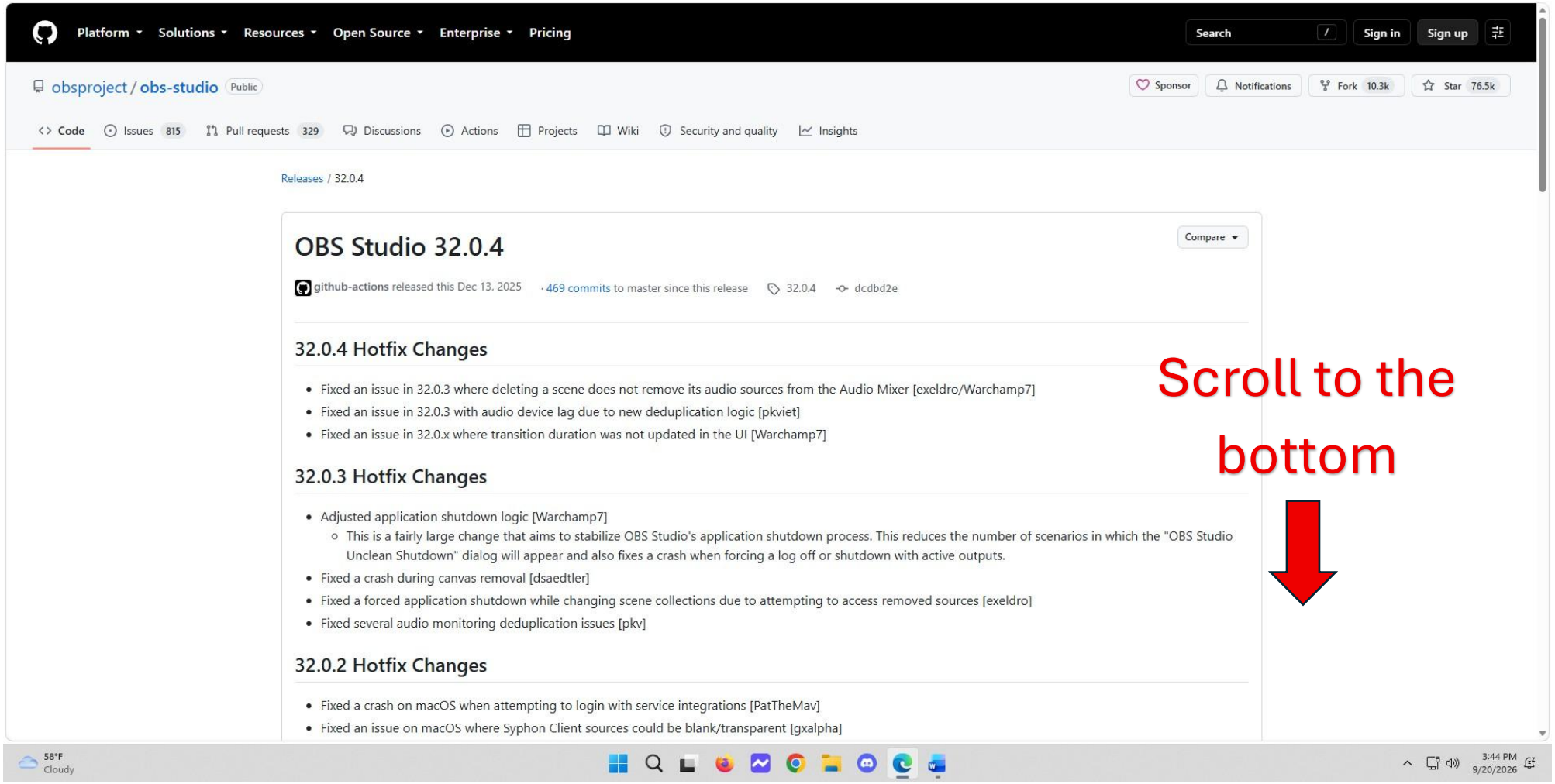


The page that appears (below) is the 32.0.4 version page with the download link.

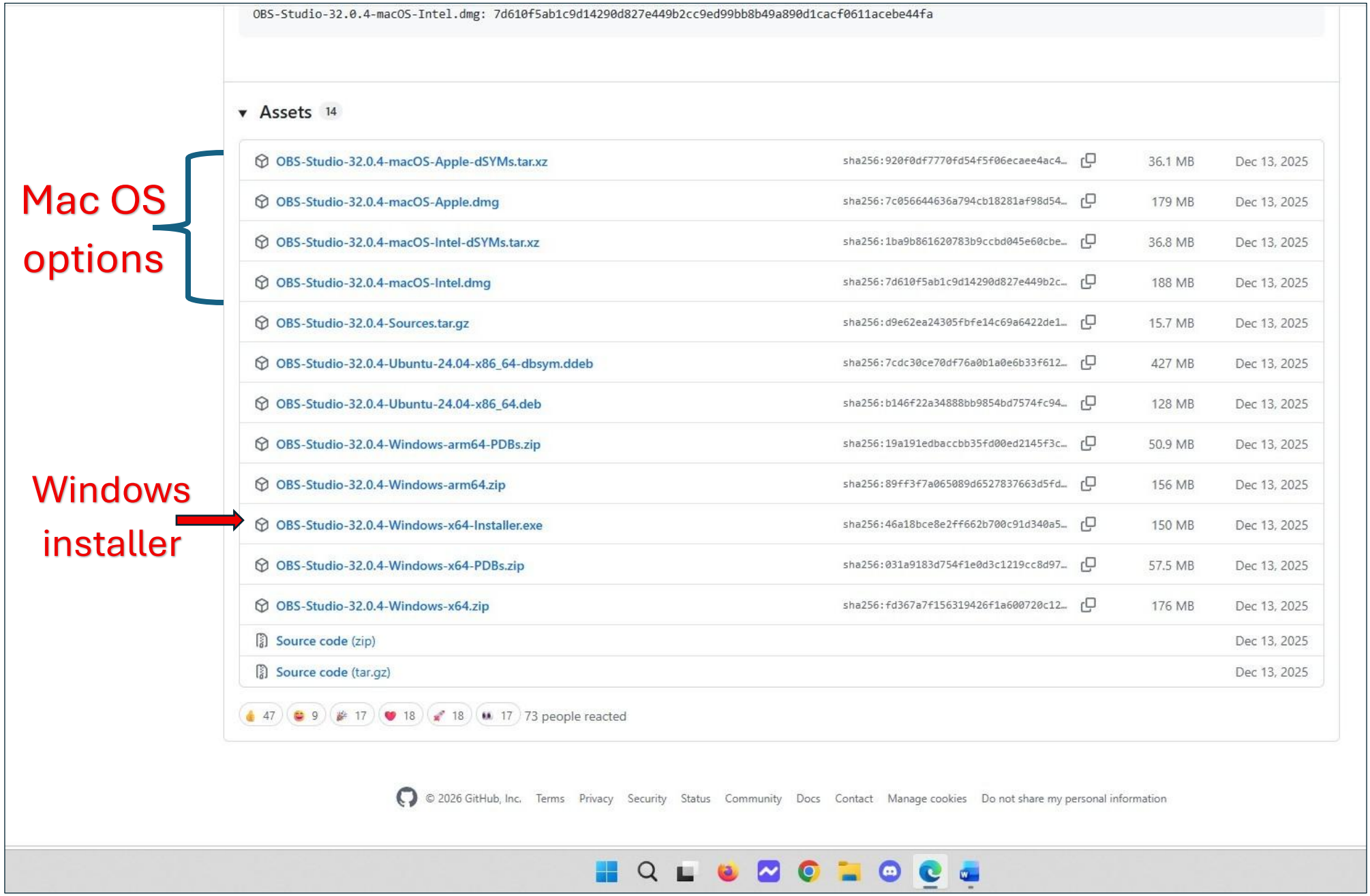
(Note all the newer “Beta” releases that followed this stable version. None of which added features we will not use or need.) Click the link shown in Blue.



You are now at the Download page for version 32.0.4
Scroll to the bottom of this page to view the download links for the versions of the operating system you are using.



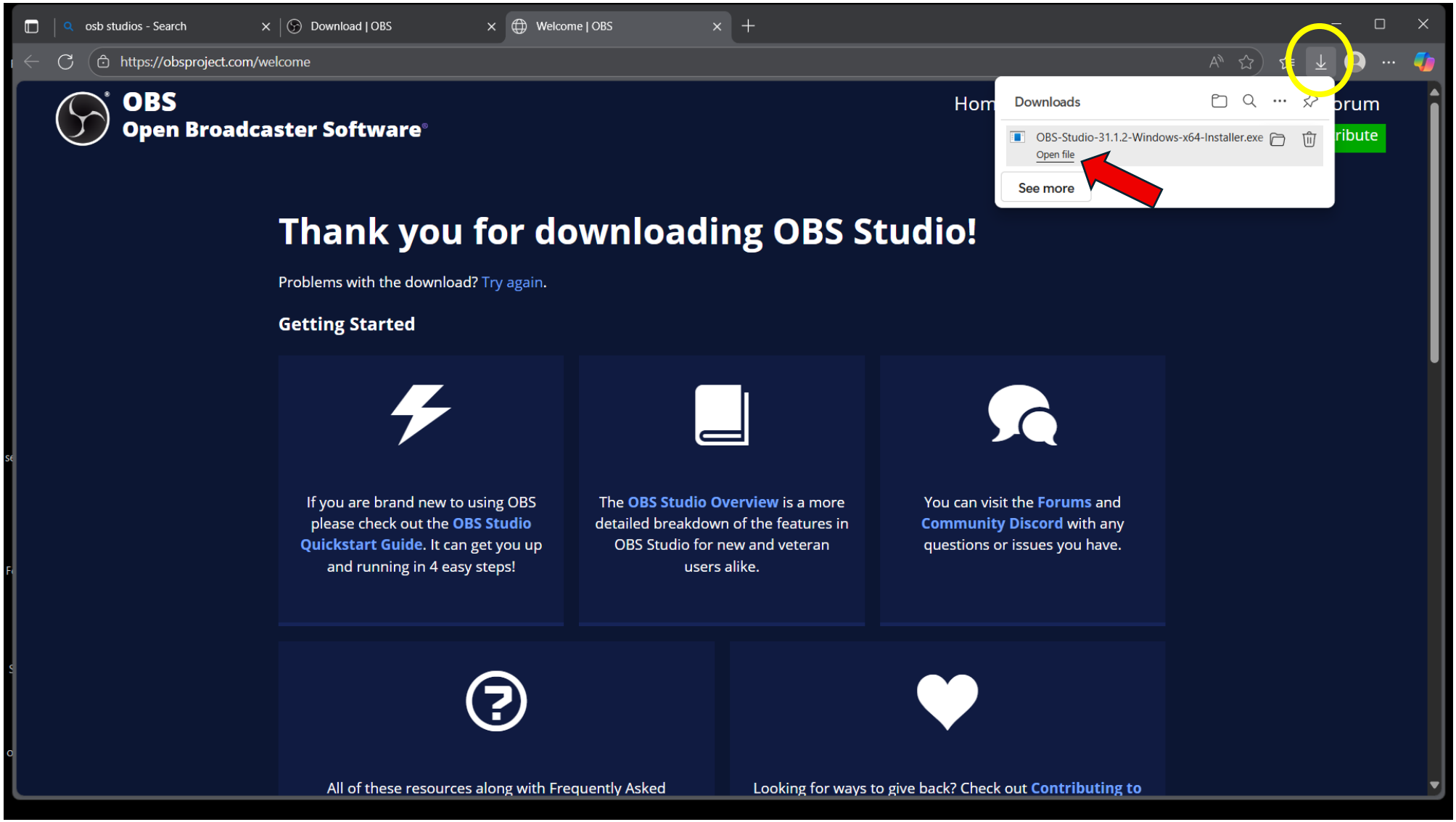
Select your operating system and click (or double-click) to download.



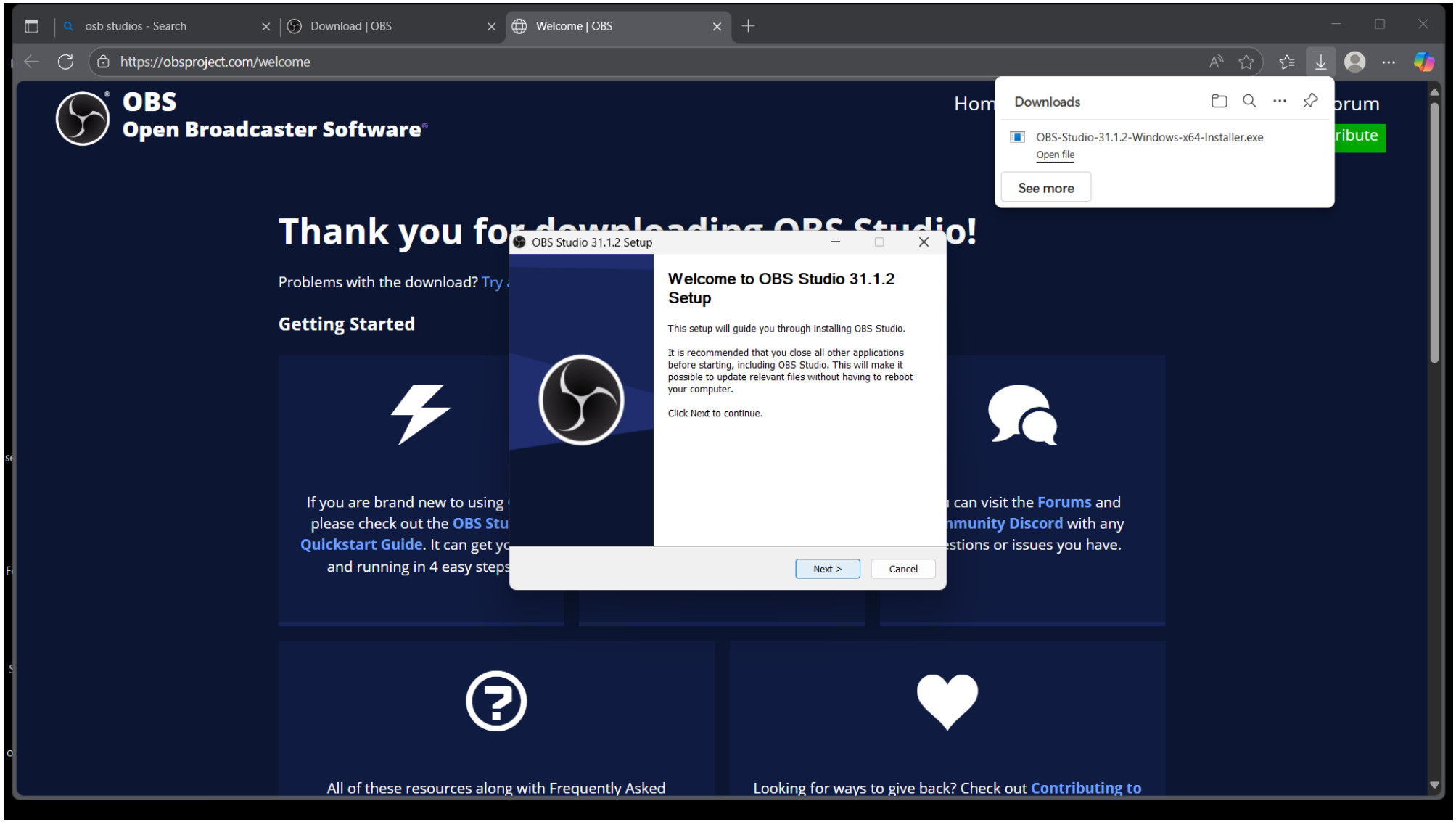
Mac OS options

Windows installer

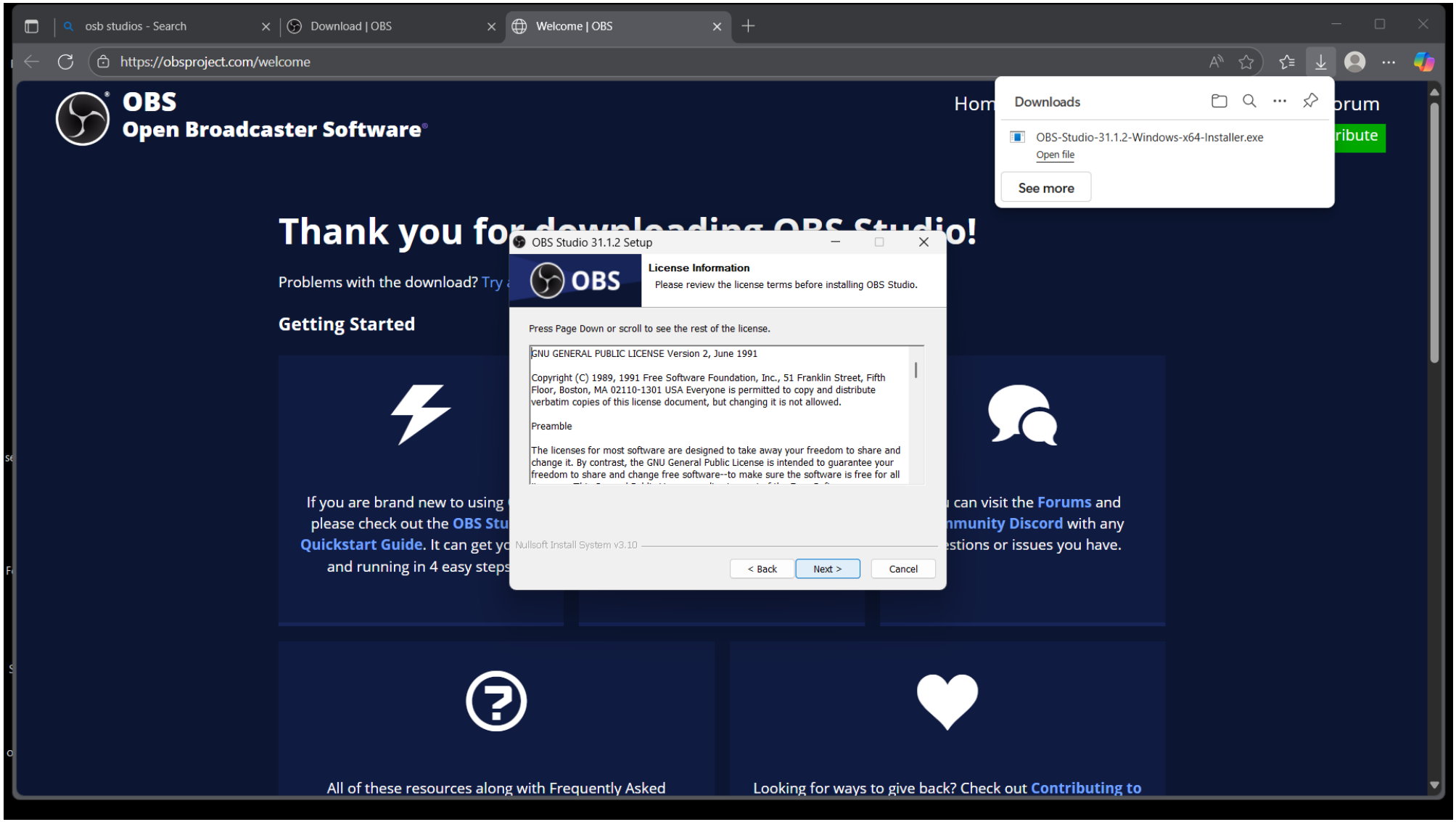
This only downloads the program. You need to open the download window (showing the .exe file) to **install** it. You may need to minimize the Welcome window to see the download windows. Open the downloaded file.



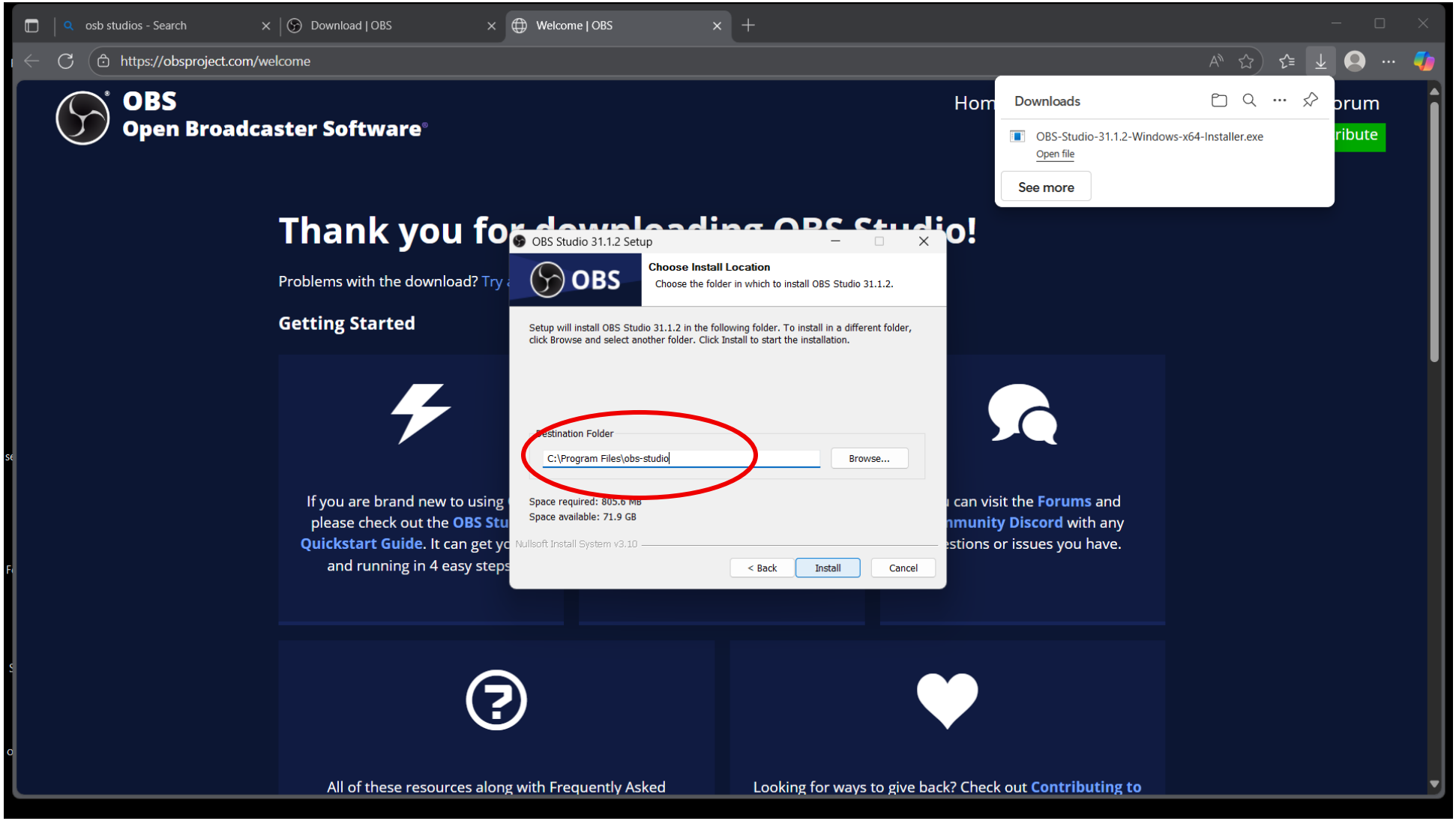
Click NEXT to install.



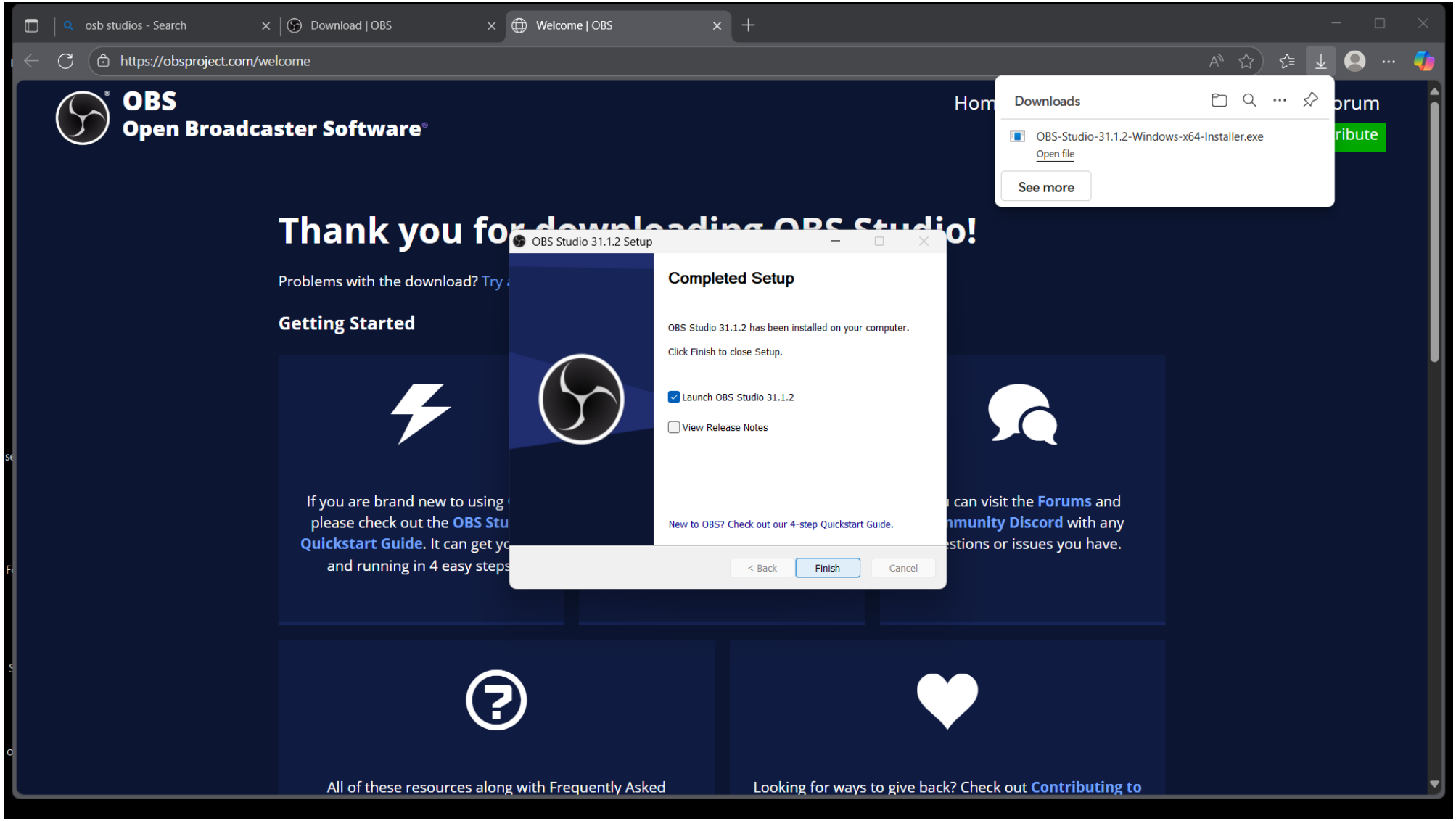
Accept the license.



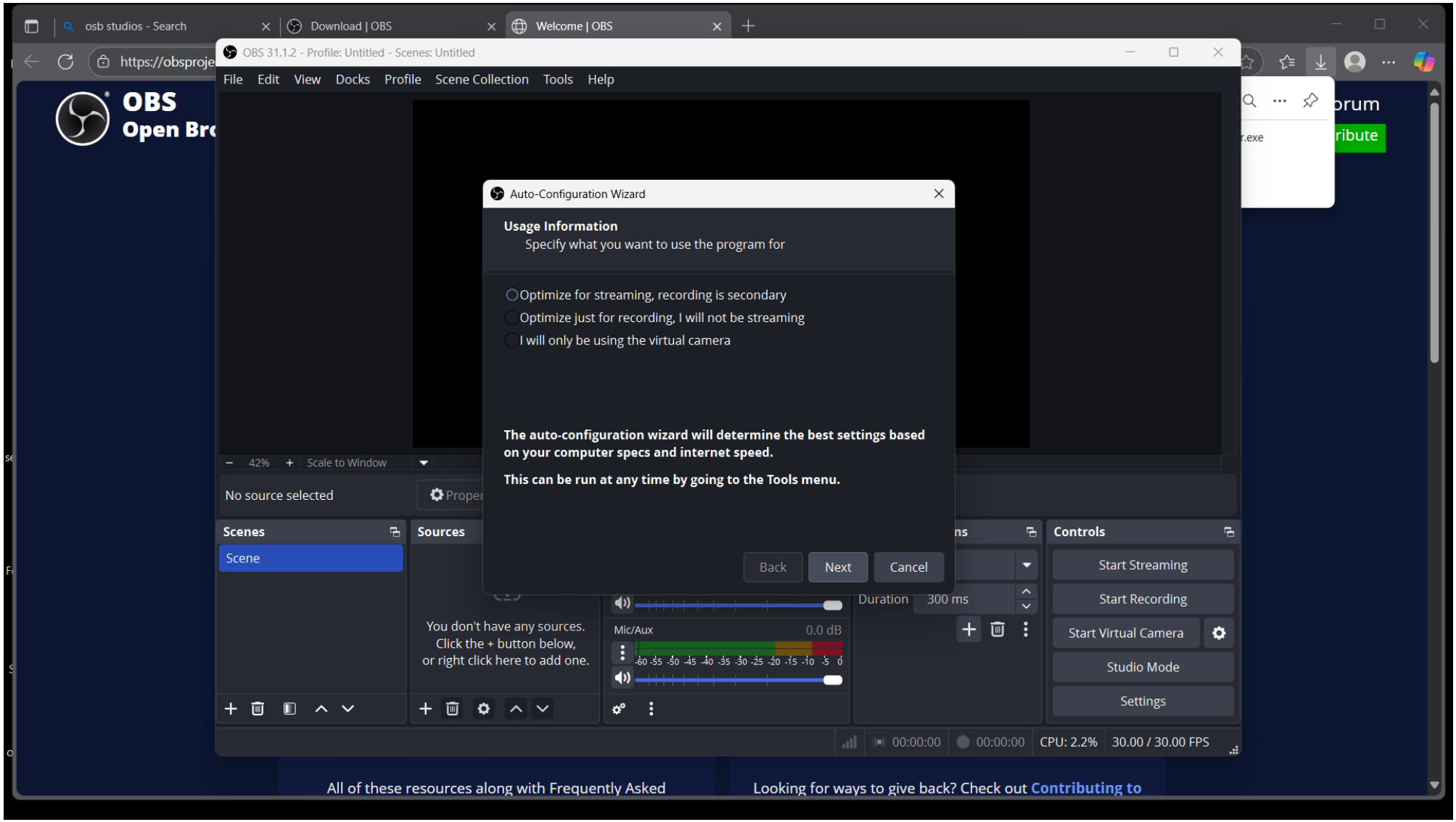
The preferred destination folder should appear automatically. Click **INSTALL.**



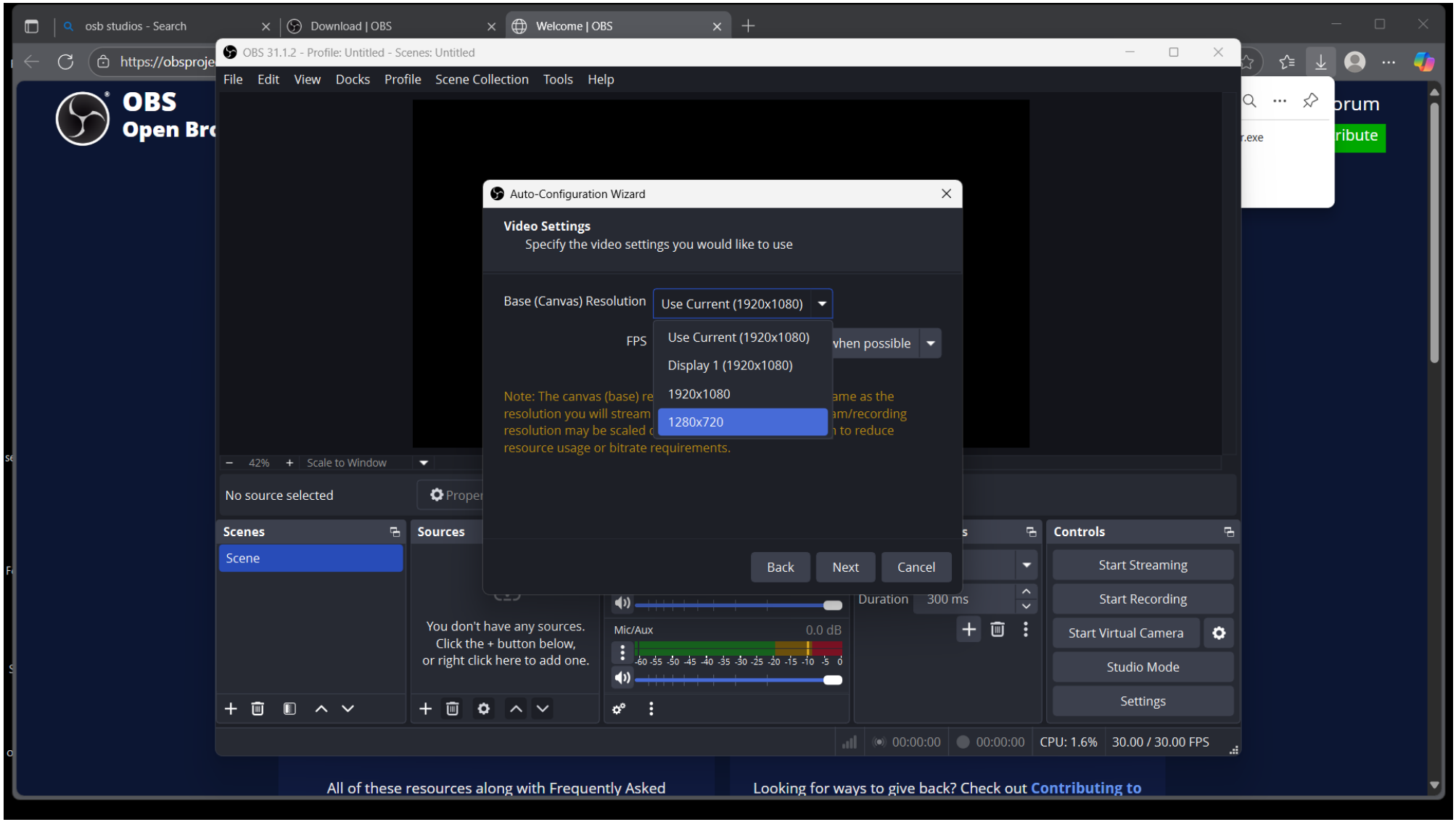
Click **FINISH** to launch OBS Studio.
A window will now appear asking basic questions on how you want to use the program.



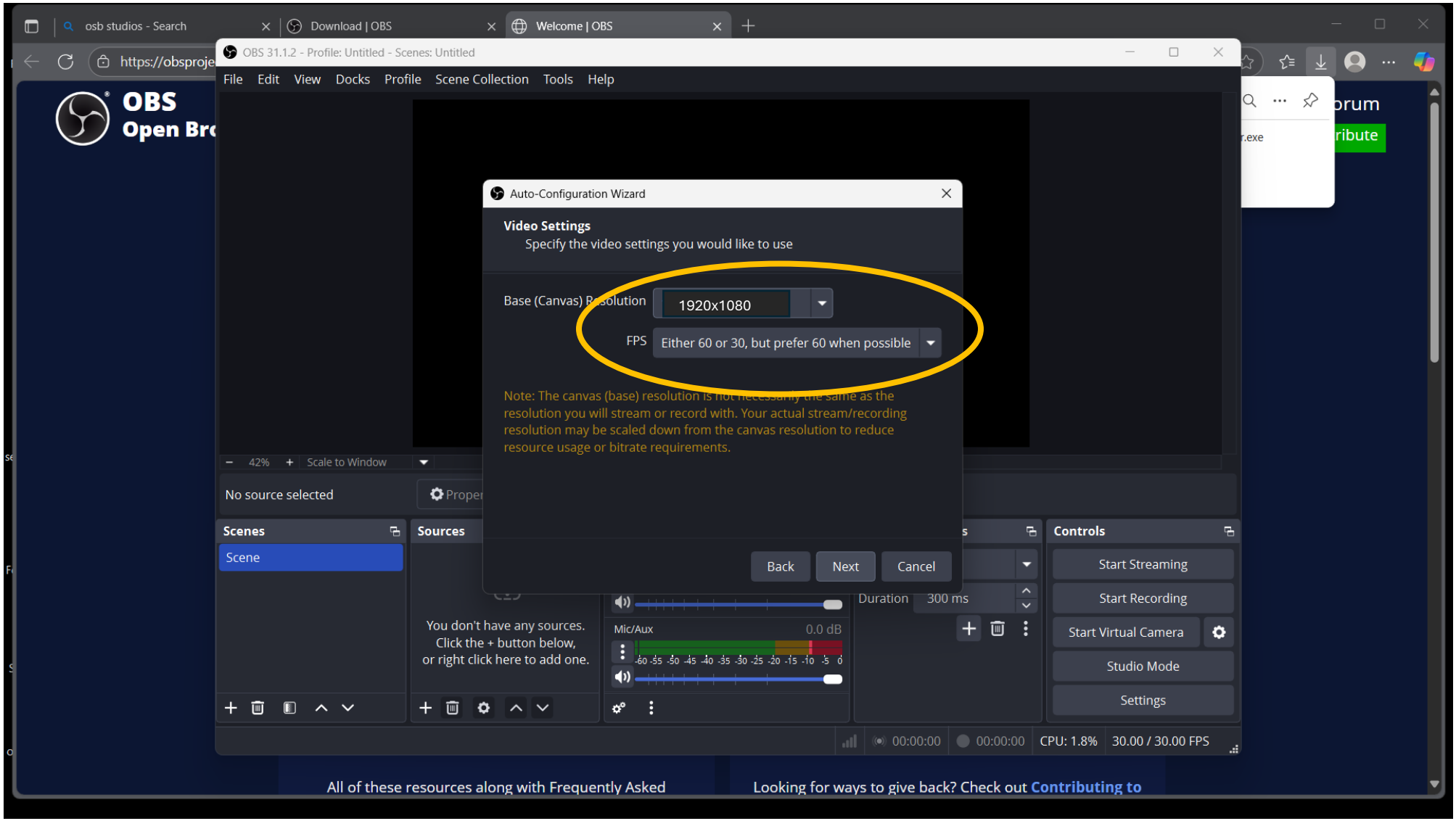
Select “Optimize for Recording” , not streaming. Note that the selection will show as a small circle, not a solid dot.



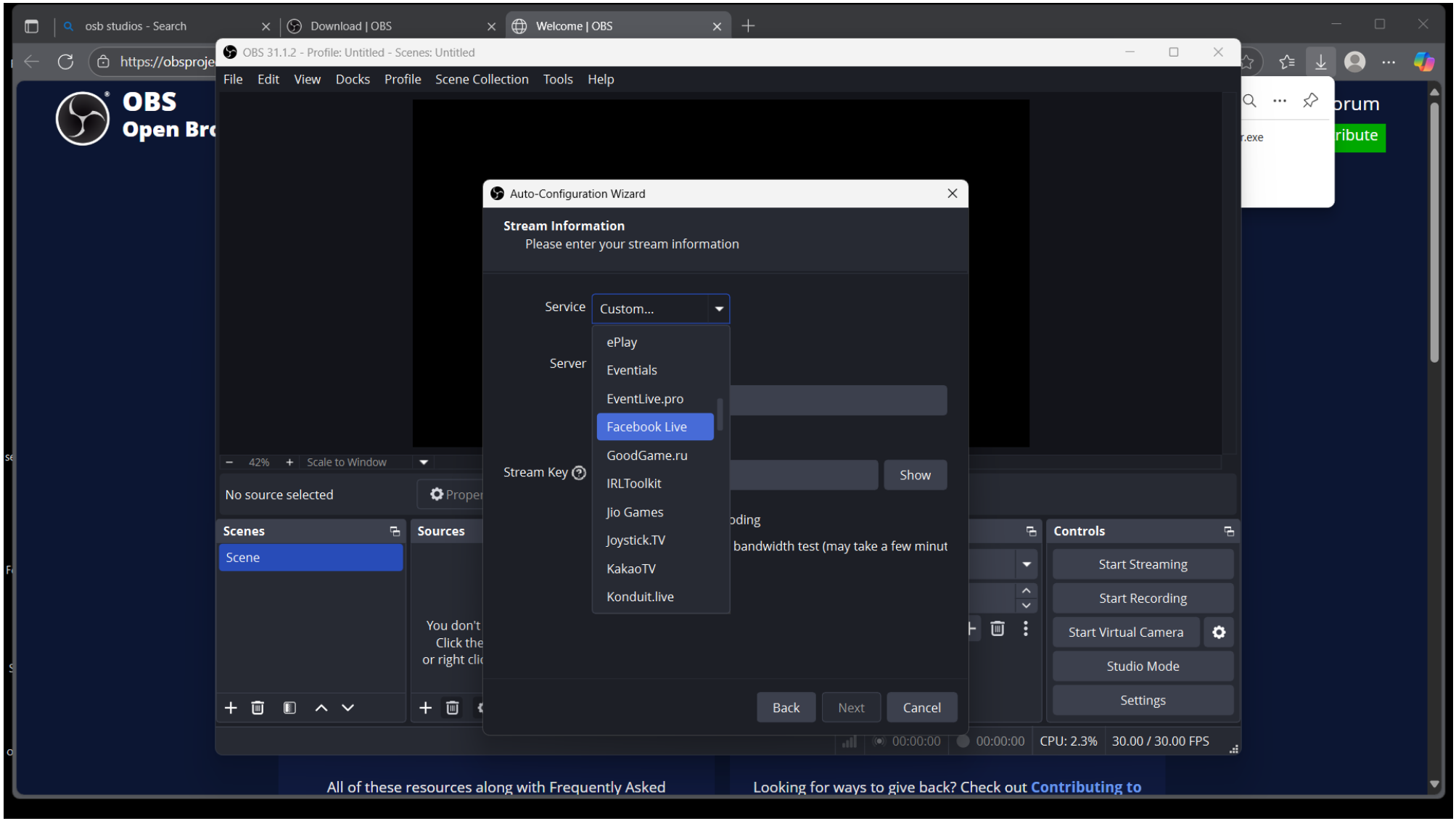
Select the “Current 1920 x 1080” HD resolution for HD AquaCams and set resolution at 1280 x 720 for standard definition AquaCam. (“Output resolution” should be set to the same as the Base resolution.) NOTE: 1080p resolution at 60 FPS is **much better** for video analysis than 30 FPS at a higher resolution. Contact us if questions.



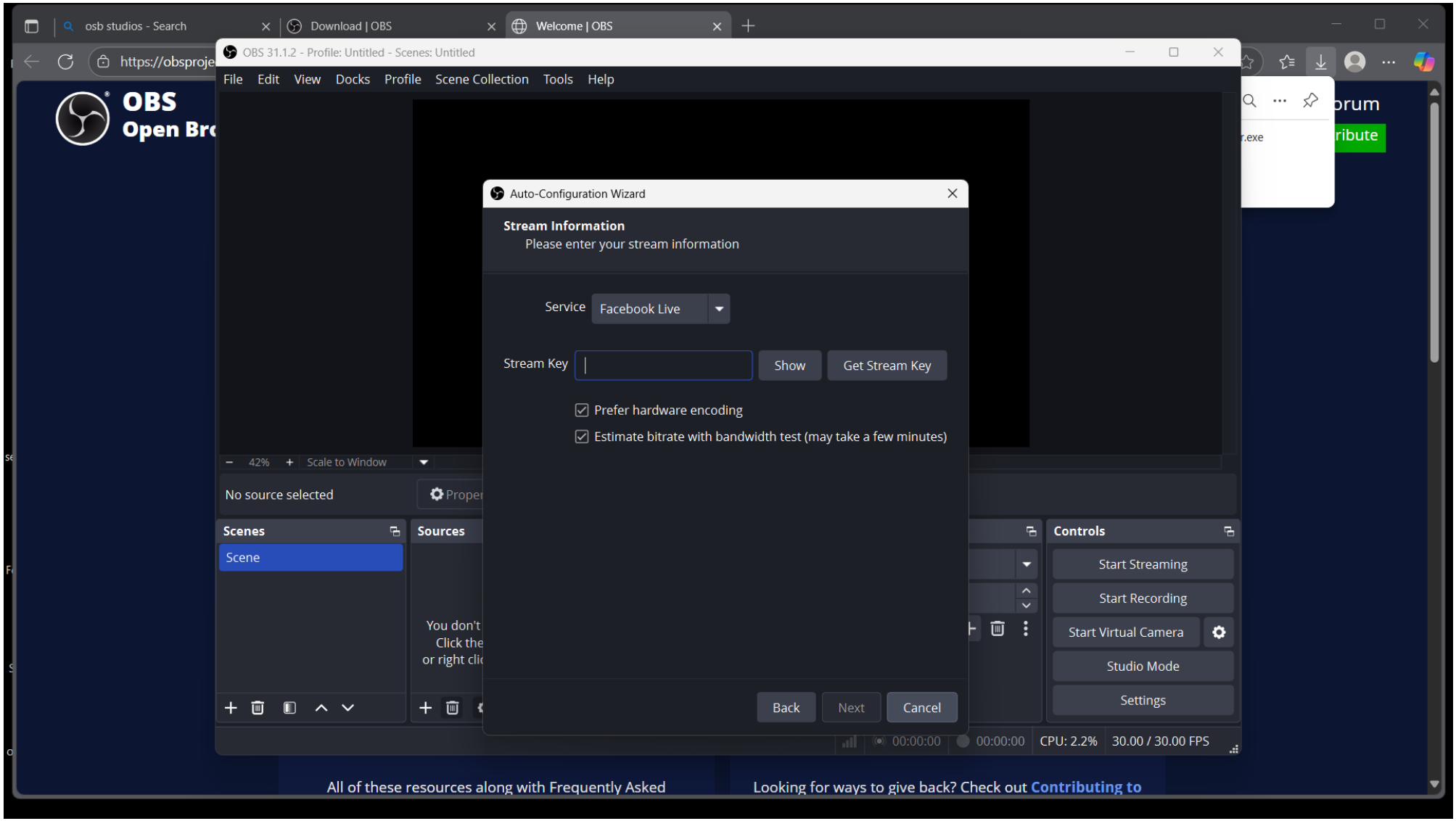
With the base resolution set appropriately, set FPS to **60 FPS for the HD** AquaCam and **30 FPS for the SD** AquaCam. Click Next. OBS now checks your computer's capabilities, adjusts its own settings for optimal performance, and shows you results in the window below. Those are the settings you want to keep. Shown below is what you would see for the HD model. Click on "**Apply Settings**".



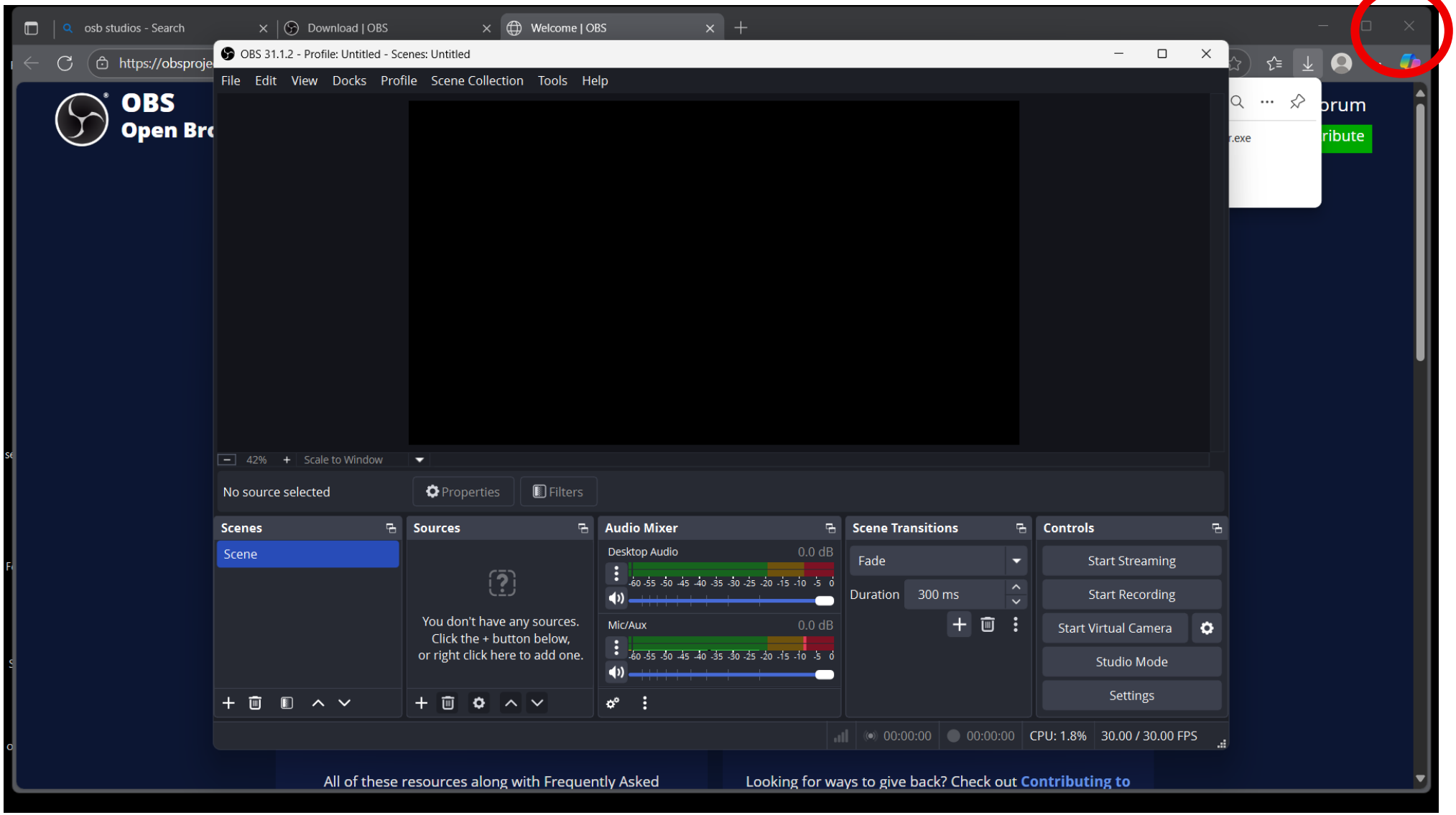
NOTE: The following window **won't show** unless you selected "Optimize for Streaming" earlier. If you accidentally did, select Twitch to start with. (This is for streaming if you eventually want to use it. It can be changed later if you want but it doesn't affect your recordings.)



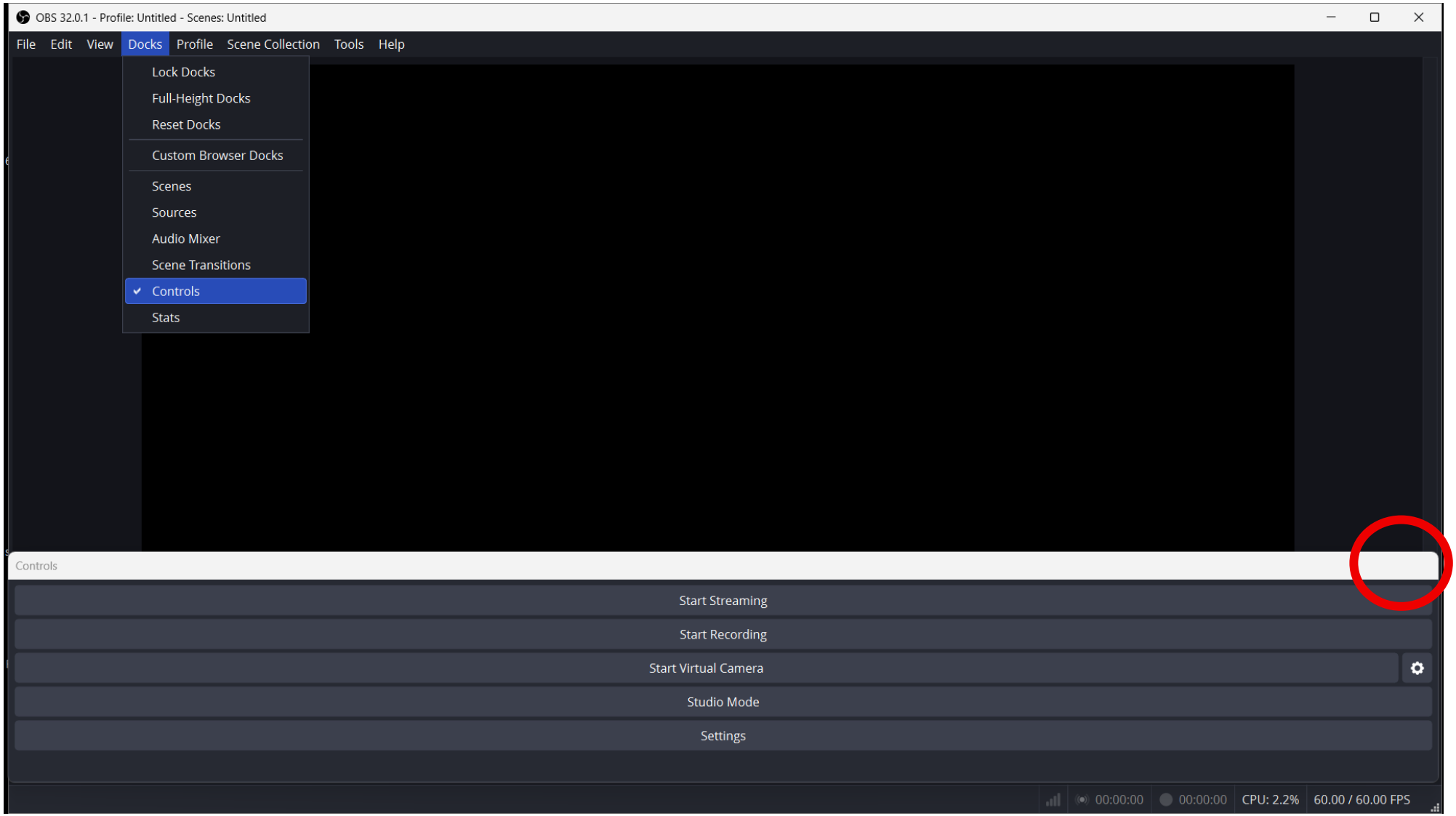
Note: Ignore this setting unless you selected “Optimize for Streaming” earlier. Some stream services require a stream key, like Facebook. Others, like Twitch, do not. If you see a stream key window you can X out of it. You will probably never use the AquaCam for streaming.



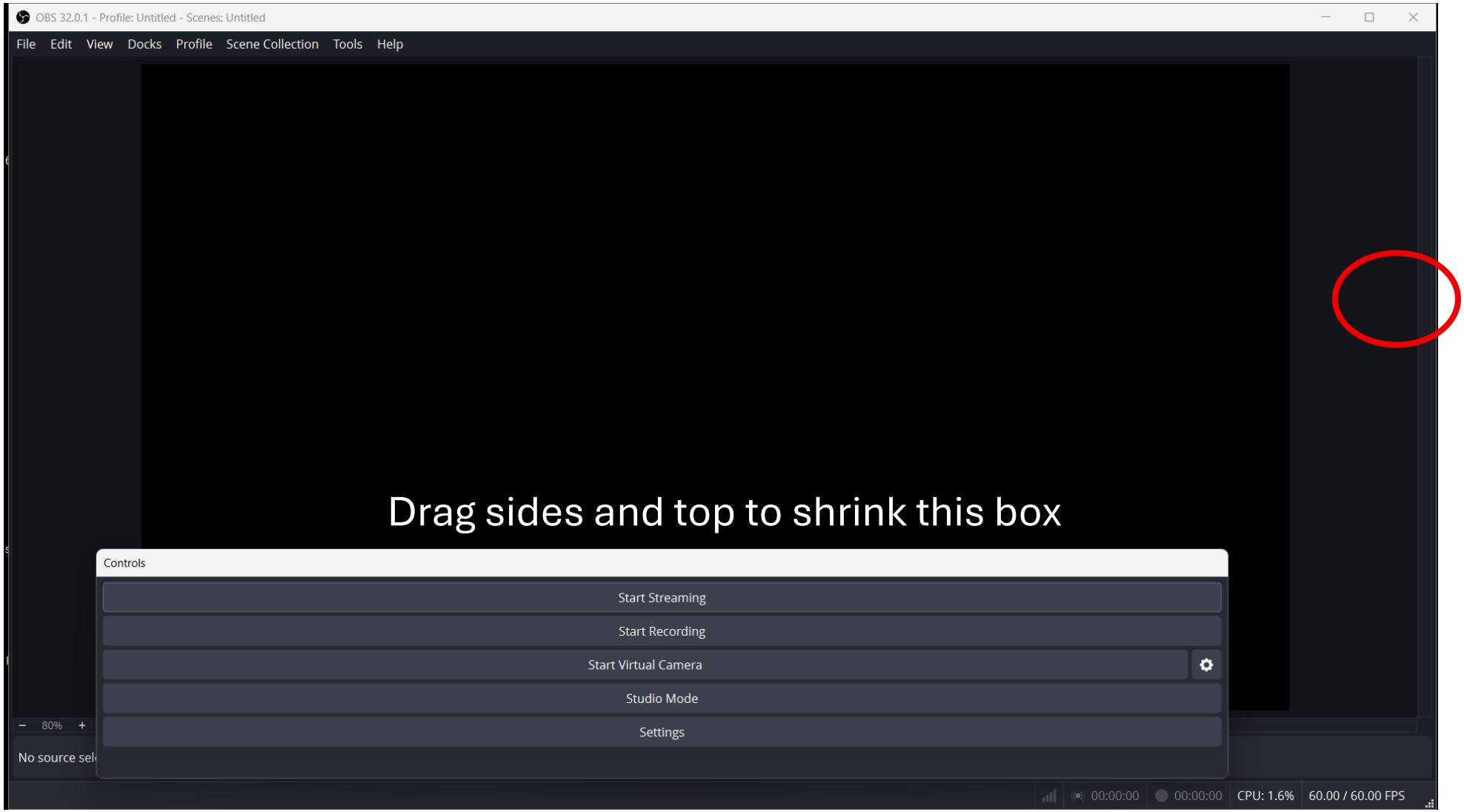
Close the download window (red circle) in the background (and any others) leaving only the OBS running. Drag the OBS window to fill the screen. The window shows all the controls, called Docks, at the bottom which makes the video window smaller. We want to hide all but the **Controls** box so your camera video fills the screen.



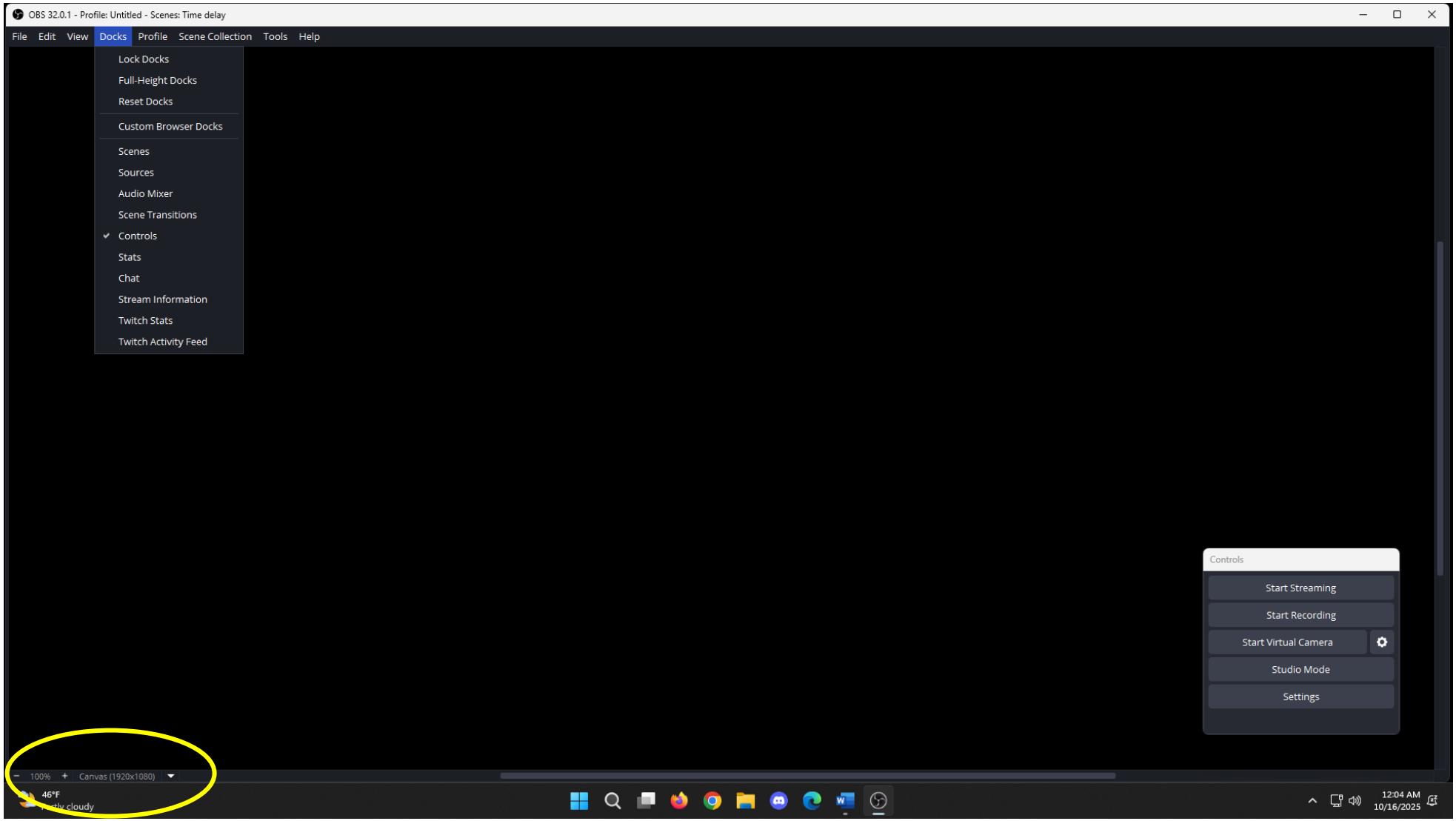
Click the “Docks” menu at the upper right and de-select all but **Controls.** But the Control window is now large, and we want to resize it. Click the minimize icon, which should be where the red circle is. The Controls window should now be resizable.



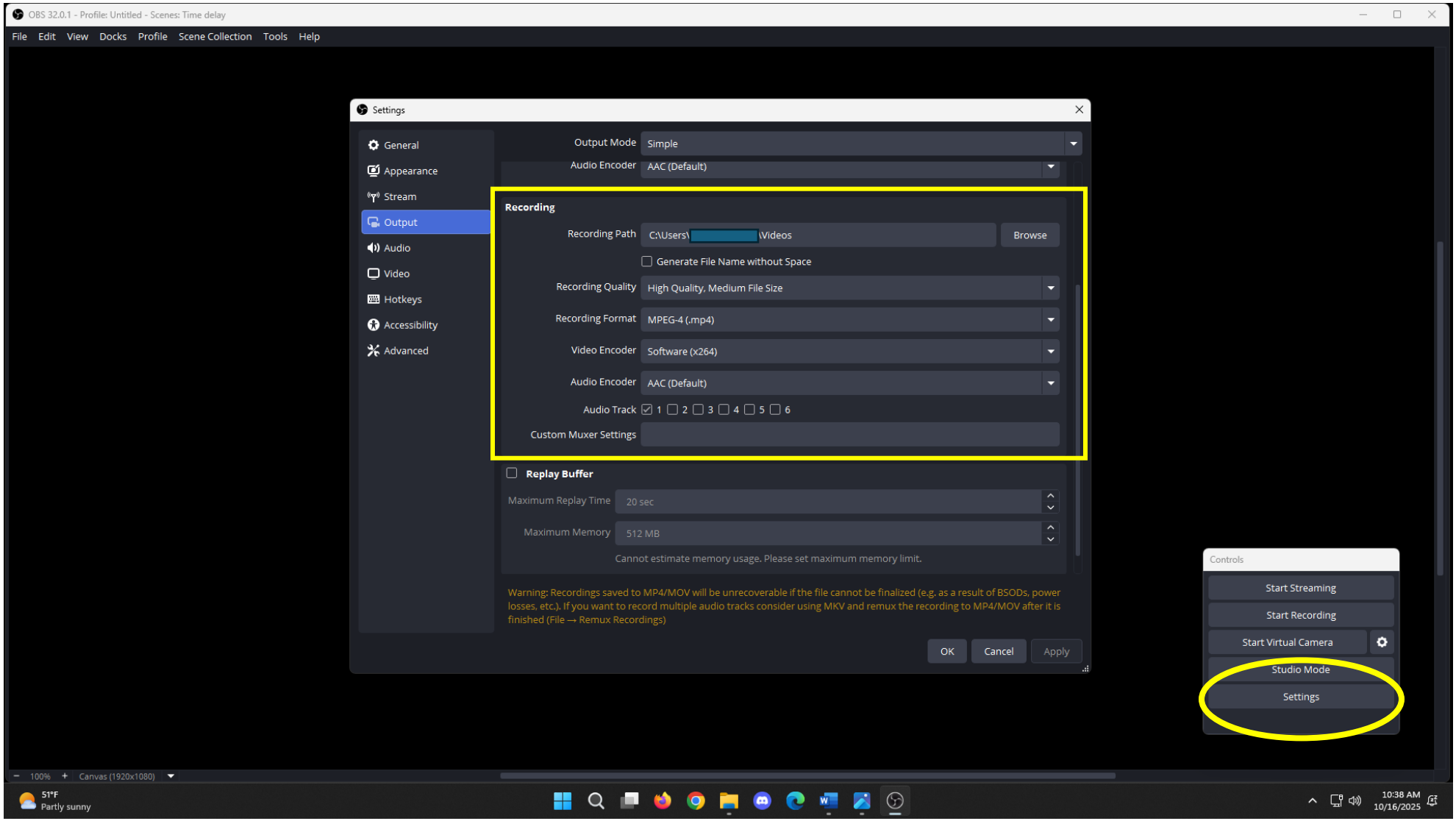
Drag the window to resize it to a small box in the lower right corner.



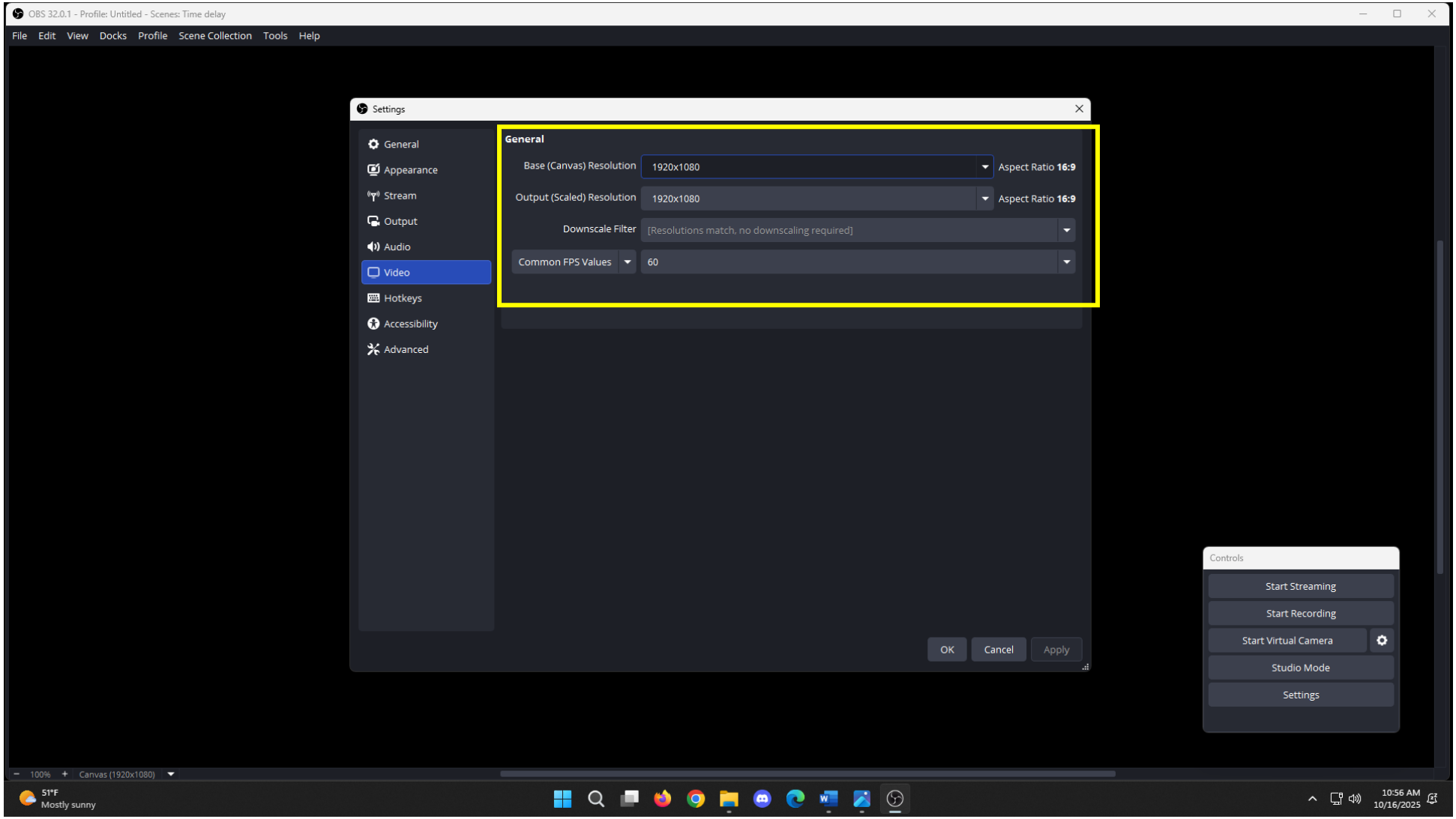
When the **Controls** box is in place, note the Size and Scale options at lower left in yellow circle. Set them to 100% and 1920 x 1080 unless you have the standard definition (SD) AquaCam with a canvas of 1280 x 720.



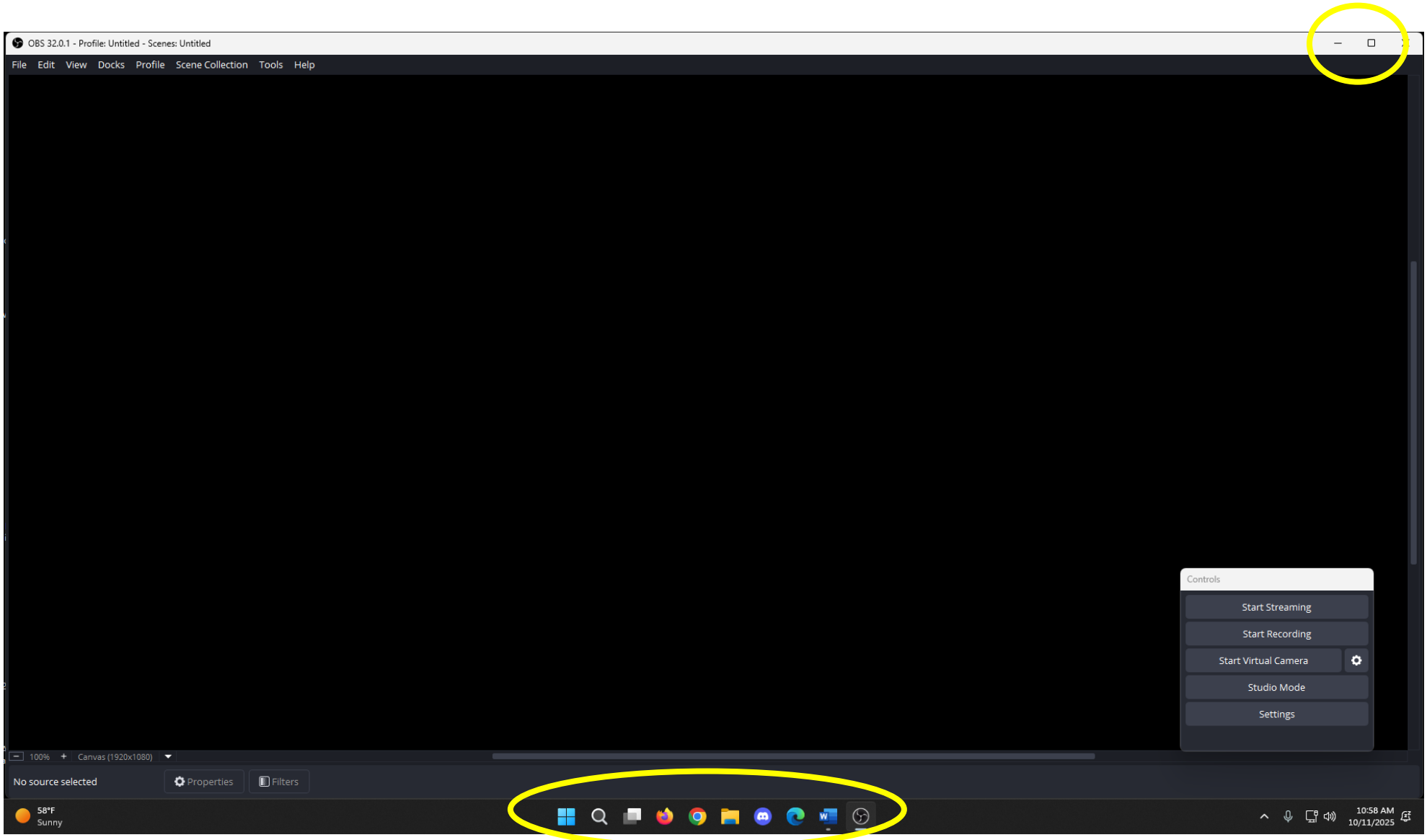
Click Settings in the **Control Box** (yellow circle), then select **Output** on the left menu. Scroll to **Recording** to see the preferred settings the OBS program picked for your computer's processing speed and graphics ability. (In yellow square). ***Do not change or set these options.*** **CLICK OK**. (The Recording Path is where OBS will save your video, and where you go, to play back your recordings.)



Now click the “Video” setting and select these options, ***if they are not already there by default***. Be sure to set FPS to **60 for the HD** unit and **30** if you bought the **SD**. If they have been pre-set, click **OK**. If you had to change them, click **Apply**, then **OK**.

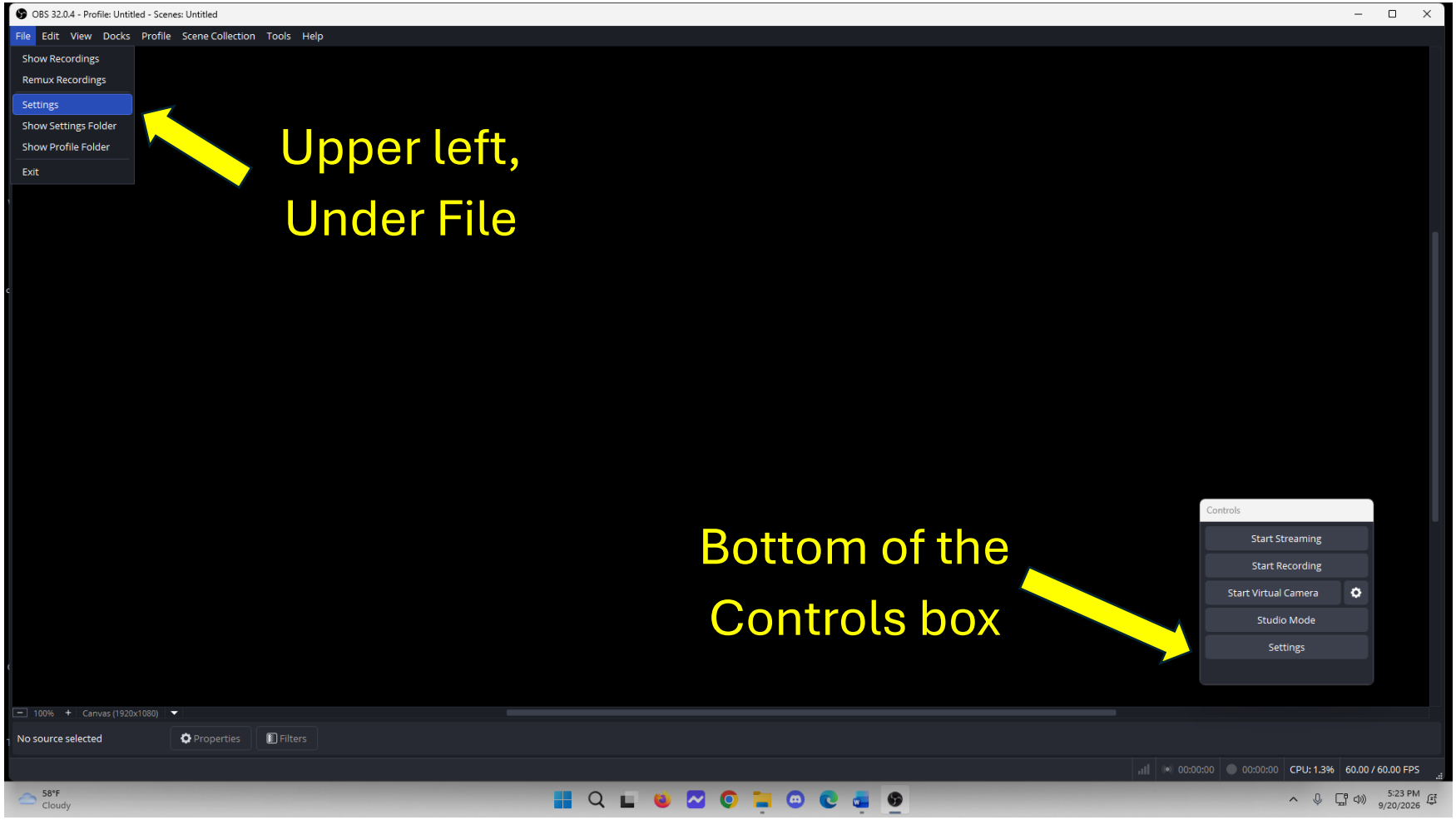


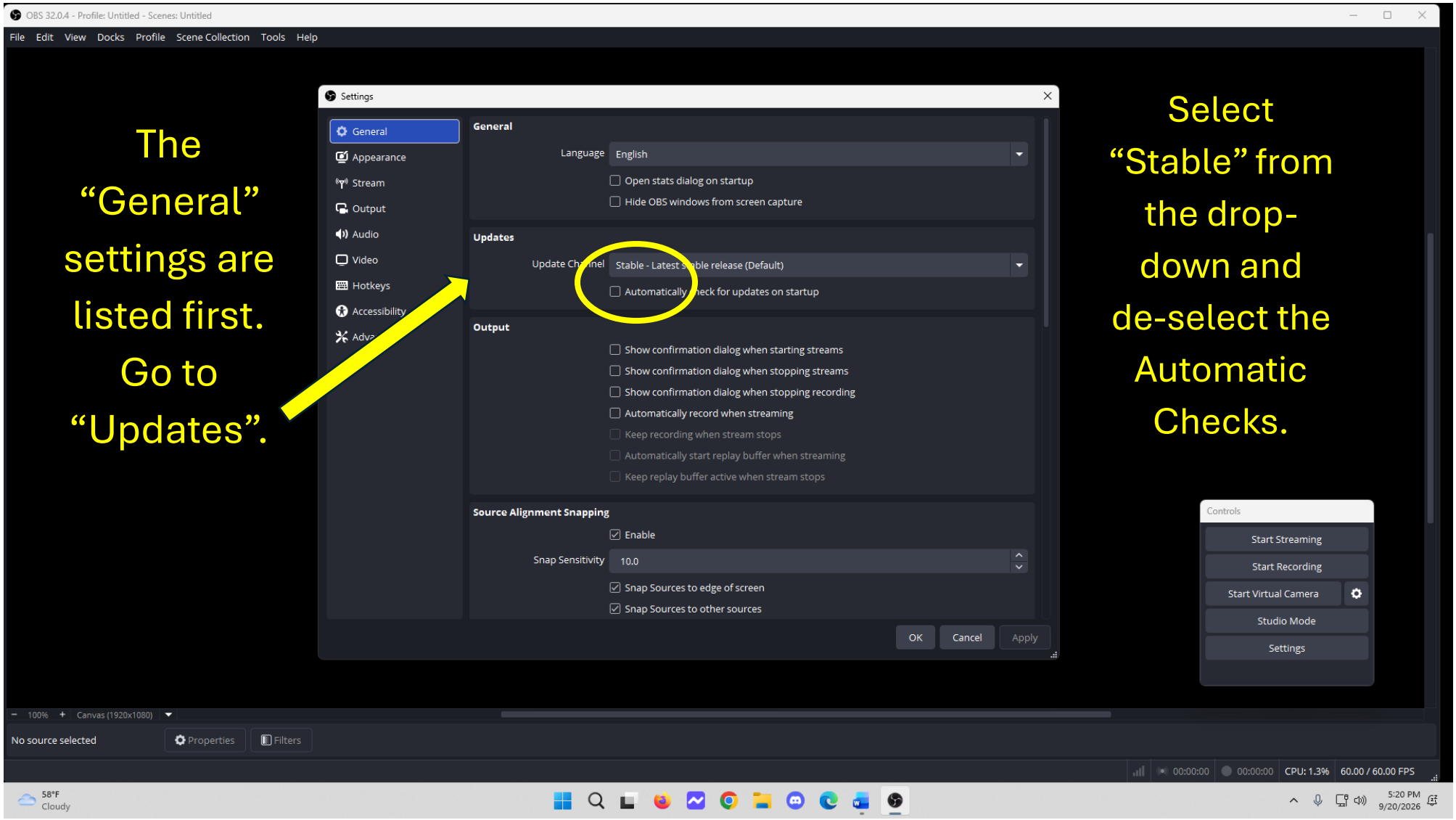
Close that box and you are done. Your screen should now look like this. If it doesn't, adjust it using the window control at the upper right or dragging your screen edge so you can see your taskbar at the bottom. (Or at least see it pop up when you bring your mouse to the very bottom of the screen.)



FINAL STEPS: You have now set your screen for the best version of the OBS recording software for your AquaCam. We now want to disable automatic updates to avoid uploading newer Beta versions that may change your interface and make it confusing. (Those updates are usually for streamers and gamers and are nothing we can use.)

Go to SETTINGS: There are two ways you can go to general settings. Click on SETTINGS in one of the two areas shown in yellow.





If a window ever pops up when you start OBS asking if you want to upload the newest version, cancel out of it.

CONGRATULATIONS !

You have now loaded the recording software, time delay software, and settings onto your computer, laptop or tablet. Every time you open the OBS program it will maintain those settings.

If you purchased the HD model, select the **second set** of instructions on the "Instructions" page of our website to load your AquaCam video camera settings which OBS will use.

For HD AquaCams: You still do not want to plug in your AquaCam because the two programs need to be set up separately to give you the best video and the most options.

For SD AquaCams: Go directly to the third set of instructions on the web page.

When all steps have been taken, we recommend practicing at home or office before you bring it to the pool. It takes a few tries to become familiar with the process .... but these step-by-step instructions should make it easier.

To use this program for **Time Delay** viewing, refer to those instructions on the web page.