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ECI 137

Agreement Matrix for Group 1 Session A02

Ranking: 1 is highest, number of objectives is lowest

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Stakeholder Objectives | | | | | | | |
| Stakeholder | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Participant Avg. Difference |
| SJV Farmers | 1 | 2 | 4 | 7 | 5 | 3 | 6 | 1.81 |
| Municipal Water Users | 4 | 2 | 1 | 7 | 5 | 3 | 6 | 1.67 |
| Envn. Groups | 7 | 6 | 5 | 2 | 1 | 4 | 3 | 1.96 |
| CA DWR | 2 | 7 | 6 | 5 | 1 | 4 | 3 | 2.55 |
| CA Fish and Game | 7 | 6 | 5 | 2 | 4 | 3 | 1 | 2.43 |
| Cali’s EPA | 7 | 4 | 6 | 5 | 1 | 2 | 3 | 3.22 |
|  |  |  |  |  |  |  |  |  |
| Average Ranking | 4.67 | 4.50 | 4.50 | 4.67 | 2.83 | 3.17 | 3.67 |  |
| Average Difference | 2.31 | 1.83 | 1.33 | 1.78 | 1.83 | 0.56 | 1.56 |  |

Average Ranking: Average ranking for each objective

Participant Average Difference: Sum of absolute values of difference between average ranking and participant’s ranking for each objective, divided by total number of objectives.

Average difference: Sum of absolute values of difference between average ranking and each stakeholders ranking for each objective divided by total number of stakeholders.

Stakeholder Objective Key:

1. more water for crops
2. consistent delivery of water
3. quick construction process
4. protect salmon population
5. rainfall based flow of water
6. water filtration/cleansing and proper material selection
7. maintaining fragile delta ecosystem

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| --- | --- | --- | --- |
| Stakeholder | Environmental Groups | | |
| Goal, Expectation, or Objective identified, and why? **50 points** | 1 | Government regulations on amount of diverted water allowed based on rainfall and Sac River water levels above intake point | In 2008 the salmon population in the bay area nearly collapsed due to too much water being pumped from the delta. To prevent this from happening it is imperative that the government strictly control how much water is allowed into the tunnels during times of drought or any time of unusually low rainfall. In addition to protecting salmon, this measure will ensure the fragile ecosystem of the delta is maintained for all species that call the area home, at least in terms of water levels. |
| 2 | Flow controls and screens/shielding to protect salmon. Limit amount of diverted water allowed during spawning season | Many juvenile and spawning salmon are at risk of being sucked into the intakes if proper barriers are not implemented. Additionally it will be important for the waning salmon population to have optimal conditions on the river during spawning season to ensure the greatest chance of successful reproduction. This means limiting the amount of water allowed into the tunnels during spawning season. |
| What you have learned in this lab? **50 points** | 1 | Difference resolution techniques? | We each put our arguments on the table for why our goals were important, one-by-one. We then did a preliminary ranking of the objectives and addressed which stakeholders had the most opposing views. For example: I had originally thought that quick construction was less important than consistent delivery of water. The stakeholder representing the farmers argued that given the project WAS going to be built, a quick construction would be better for the environment than a protracted one. This led me to switch my ranking of the two objectives. |
| 2 | Why stakeholder involvement important? | Stakeholders represent the interests of the community as a whole. If only the farmers had a say, the salmon population would be doomed. Stakeholder involvement ensures that the project considers all angles, and long term effects, on the locality and community. |
| 3 | Anything additional? | This was a great first exercise. It really got us talking, and I was able to get to know several other students in my lab section. I think it also offered hints about how developing a project plan that everyone can agree on could be hugely difficult. |

Note: Include the web address, person you talked to, or other reference for where you got your information.

URL: <https://baykeeper.org/news/column/california%E2%80%99s-salmon-brink-extinction>

URL: [www.stopthe**tunnels**.org/](http://www.stopthetunnels.org/)

URL: <https://www.californiawaterfix.com/>